KILOVANT

SOLAR · STORAGE · INVERTERS

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Measured in Kilowatts. Built for Advantage.



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OFFICIAL PARTNERSHIP

KILOVANT × DELIXI ELECTRIC — AND OTHER LEADING MANUFACTURERS

DELIXI ELECTRIC 德力西电气

OFFICIAL PARTNER OF DELIXI GROUP

KILOVANT is proud to be an **official partner of DELIXI Group** and other leading manufacturers. Through this partnership, the proven DELIXI product range — including the SPD300 solar pump VFD series — is available directly through KILOVANT, backed by our own sales, technical support and after-sales service.

Every DELIXI product we supply is **factory-genuine**, covered by the manufacturer's warranty, and supported by the KILOVANT team from selection to commissioning.

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ABOUT DELIXI ELECTRIC

Founded in **1984**, Delixi Group is one of China's largest electrical manufacturers — ranked among **China's Top 500 Enterprises for 24 consecutive years** and a front-runner among China's Top 500 private enterprises.

In 2007, Delixi Group established **Delixi Electric**, a 50/50 joint venture with **Schneider Electric** (Fortune Global 500), combining global expertise with Chinese manufacturing scale.

Today Delixi Electric is a **top-3 player in China's low-voltage electrical market**, with five production bases, more than 20,000 employees, and a sales and service network covering over 60 countries and regions.

1984
Founded

TOP 500
China's Top 500 Enterprises · 24 yrs running

20,000+
Employees worldwide

60+
Countries & regions served

DELIXI ELECTRIC × SCHNEIDER ELECTRIC
50/50 joint venture since 2007

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KILOVANT

LFP WALL-MOUNTED BATTERY SERIES

5kWh / 10kWh / 14.33kWh / 15.67kWh



A-Grade LFP Cells
Parallel Expandable
Smart BMS
Remote Monitoring
Long Service Life
OEM & Customization

DATASHEET

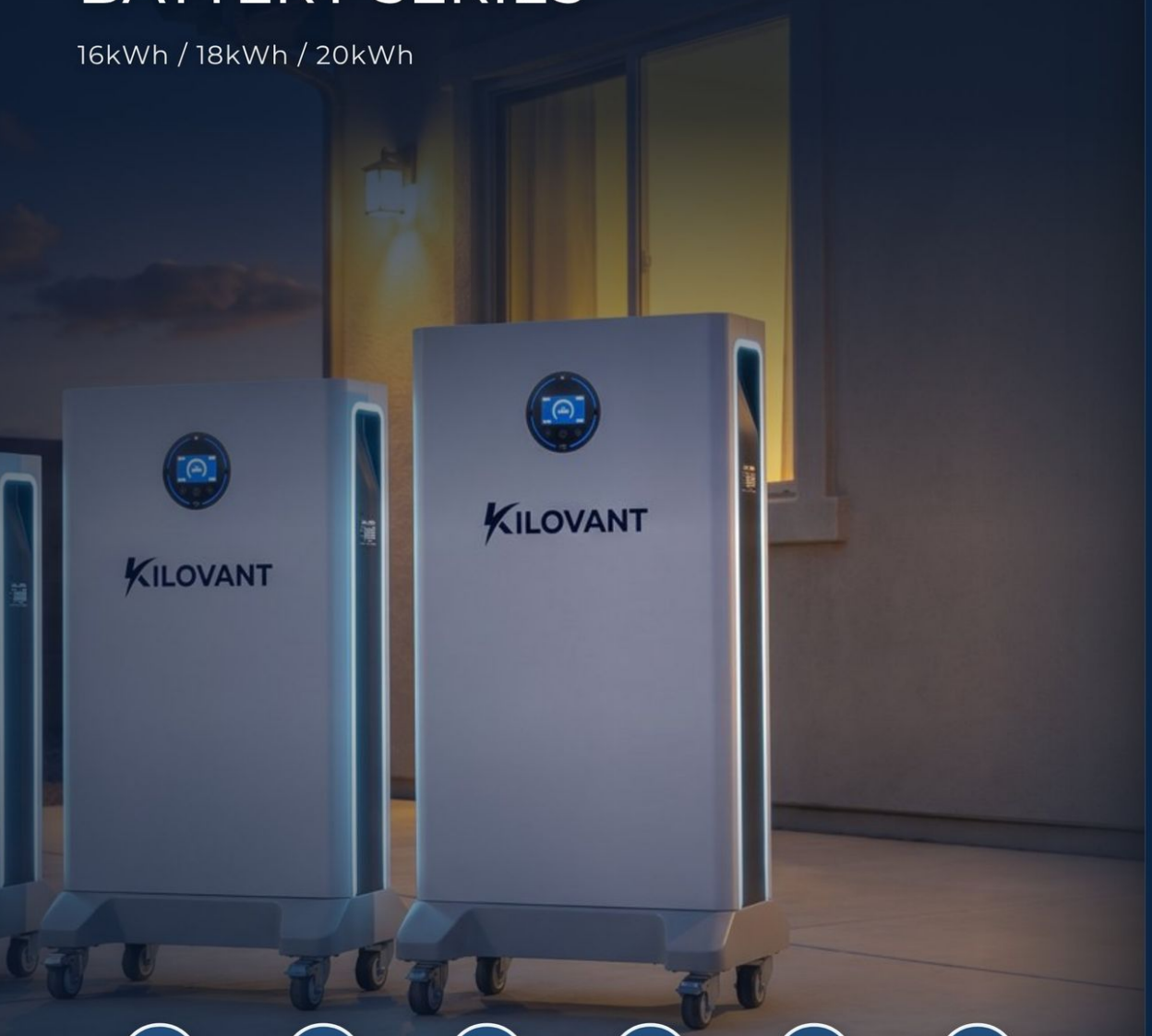
Specifications	5kWh	10kWh	14.33kWh	15.67kWh
RECOMMENDED FOR	Apartment / Small Household	Standard Family Home	Large Home / Small Business	Small Commercial / Prosumer
Main Parameter				
Rated Voltage	51.2V			
Rated Capacity	100Ah	200Ah	280Ah	500Ah
Rated Energy	5.03kWh	10.24kWh	14.34kWh	15.67kWh
Output Voltage Range	43.2-58.4V			
Charging Voltage	57.6-58.4V			
Cut-off Voltage	43.2V			
Max Charging Current	100A	150A	200A	150A
Recommended Charging Current	50A	50A	100A	50A
Max Discharging Current	100A	150A	200A	150A
Efficiency	>98%			
Dimensions LWH mm	600*480*200	750*640*200	700*550*255	825*415*235
Weight kg	~45	~95	~117	~115
Other Parameter				
Humidity	5%-95% Relative Humidity			
Charging Temperature	0°C~55°C			
Discharging Temperature	-20°C~60°C			
Storage Temperature	-10°C~50°C			
Cycle Life	>6000 cycles (0.2C, 25°C, 80% DOD)			
Design Life	>10 years			
Operating Mode	Touch Screen			

** All specifications are subject to change without notice.*
** Values measured under standard test conditions.*

KILOVANT

LFP WHEEL-MOUNTED BATTERY SERIES

16kWh / 18kWh / 20kWh



A-Grade LFP Cells

Parallel Expandable

Smart BMS

Remote Monitoring

Long Service Life

OEM & Customization

DATASHEET

Specifications	16kWh	18kWh	20kWh
RECOMMENDED FOR	Large Family Home / Off-Grid Capable	Villa / Multi-Family Home	Small Commercial / Heavy Residential Load
Main Parameter			
Rated Voltage		51.2V	
Rated Capacity	314Ah	350Ah	400Ah
Rated Energy	16.08kWh	17.92kWh	20.48kWh
Output Voltage Range		43.2-58.4V	
Charging Voltage		57.6-58.4V	
Cut-off Voltage		43.2V	
Max Charging Current	150A	150A	150A
Recommended Charging Current	50A	50A	50A
Max Discharging Current	150A	150A	150A
Efficiency		>98%	
Dimensions LWH mm	825*415*235	825*415*235	825*415*270
Weight kg	~115	~120	~128
Other Parameter			
Humidity		5%-95% Relative Humidity	
Charging Temperature		0°C~55°C	
Discharging Temperature		-20°C~60°C	
Storage Temperature		-10°C~30°C	
Cycle Life		>6000 times (0.2C, @25°C, 80%DOD)	
Design Life		>10 years	
Operating Mode		Touch Screen	

** All specifications are subject to change without notice.*
** Values measured under standard test conditions.*

KILOVANT

RESIDENTIAL ENERGY STORAGE LiFePO4 BATTERY

STACK300 51.2V 20kWh / 30kWh / 40kWh



A-Grade LFP Cells
Parallel Expandable
Smart BMS
Remote Monitoring
Long Service Life
OEM & Customization

DATASHEET

Battery Model	STACK300-20KWH	STACK300-30KWH	STACK300-40KWH
RECOMMENDED FOR	Large Family Home / Off-Grid Capable	Villa / Small Commercial	Commercial / Heavy Load Applications
Main Parameter			
Nominal Voltage	51.2V		
Cell Model	16S4P	16S6P	16S8P
Nominal Capacity	400Ah	600Ah	800Ah
Nominal Energy	20kWh	30kWh	40kWh
Maximum Charging Current	100A		
Maximum Discharge Current	100A		
Discharge Termination Voltage	42.4V		
Charging Voltage	58.4V		
Charge Over Current Protection	100A		
Discharge Over Current Protection	100A		
Energy Extension	Max. 8 units in parallel		
Communication Function	RS232, RS485, CAN		
Ingress Protection	IP20		
BMS Features	High accuracy cell level voltage/current measuring; Over-charge/over-discharge protection; Short-circuit protection; Self-learning intelligent SOC calculation; Cell level active equalization; Multiple communication types; Parallel connect function		
Other Parameter			
Working Temperature	-20°C ~ 60°C		
Storage Temperature	0°C ~ 65°C		
Working Humidity	<95%RH		
Dimensions LWH mm	600*370*1193	800*491*1613	800*491*2033
Weight kg	215	315	415

** If the ambient temperature is too high or too low, performance will be limited.*
** Under specific test conditions.*

KILOVANT

RESIDENTIAL ENERGY STORAGE LiFePO4 BATTERY

RACK-STACK HIGH VOLTAGE SYSTEM SOLUTION

256V / 307V / 358V / 409V / 460V / 512V / 563V / 614V



A-Grade LFP Cells

Parallel Expandable

Smart BMS

Remote Monitoring

Long Service Life

OEM & Customization

DATASHEET

RACK-HV	256V 100Ah(5S)	307V 100Ah(6S)	358V 100Ah(7S)	409V 100Ah(8S)	460V 100Ah(9S)	512V 100Ah(10S)	563V 100Ah(11S)	614V 100Ah(12
RECOMMENDED FOR	Prosumer / Large Residential			Small Commercial		Commercial / Light Industrial		Heavy Commer / Industria
Main Parameter								
Battery Type	LiFePO4							
Model Power (kWh)	5.12							
Module Nominal Voltage (V)	51.2							
Rated Energy (Ah)	100							
Battery Module QTY	5	6	7	8	9	10	11	12
System Rated Voltage (V)	256	307.2	358.4	409.6	460.8	512	563.2	614.4
System Operating Voltage (V)	224-288	268.8-345.6	313.6-403.2	358.4-460.8	403.2-518.4	448-576	492.8-633.6	537.6-691.2
System Nominal Power (kWh)	25.6	30.72	35.84	40.96	46.08	51.2	56.32	61.44
System Discharge Power (kWh)	23.04	27.65	32.26	36.86	41.47	46.08	50.69	55.3
Rated Current (A)	50							
Max. Current (A)	100							
Overload Current (A)	125 (1min, 25°C)							
Communication Protocol	CAN2.0							
Working Temperature Range	-20 ~ 55°C							
Working Humidity Range	≤95% (No condensation)							
Working Altitude	≤2000m							
System Cooling Method	Natural cooling							
Protection Grade	IP20							
Installation Location	Indoor							
Net Weight (KG)	320	384	408	452	496	540	584	628
Dimension (mm)	560*620*2158							
Storage Temperature	0~35°C							
Recommended Discharge Depth	90%							
Cycle Life	25±2°C/0.2C/90%±6000							
Certification	CE/MSDS/UN38.3							

[1] System discharge power, test conditions: 90% DOD, 0.2C charging and discharging at 25°C. (The available energy of the system may vary depending on the system configuration parameters)

[2] The current magnitude is affected by temperature and SOC.

** If the ambient temperature is too high or too low, performance will be limited. * Under specific test conditions.*

KILOVANT

HV RACK MOUNT LiFePO4 BATTERY

512V / 614V / 716V / 768V 280AH



Support in Series

High Reliability & High Security

Two-Level And Three-Level Architecture

Master Integrated Combiner Box

DATASHEET

Model	512V280Ah-143KWh	614V280Ah-172KWh	716V280Ah-200KWh	768V280Ah-215KWh
RECOMMENDED FOR	Small Commercial	Commercial / Light Industrial	Industrial	Heavy Industrial / Large Commercial
Main Parameter				
Battery Type	LiFePO4			
Battery Module	10	12	14	15
Battery Energy	143kWh	172kWh	200kWh	215kWh
Nominal Voltage	512V	614V	716V	768V
Rated Capacity	280Ah			
End-Of-Charge Voltage	576V	691.2V	806.4V	864V
Discharge Cut-off Voltage	448V	537.6V	627.2V	672V
Standard Charge Current	100A			
Max. Charge Current	140A			
Standard Discharge Current	100A			
Max. Discharge Current	200A			
Max. Peak Current	250A			
Communication	RS485/CAN			
Work Temperature Range	Charge: 0°C~55°C, Discharge: -15°C~60°C			
Charge/Discharge Interface	2P/ M8 Terminal / Waterproof connector (optional)			
Communication Interface	RS485/CAN			
Shell Material/Color	Metal / White (color optional)			
Size (mm)	1000*800*1620	1000*800*1850	1000*800*2000	1000*800*2050
Weight Approximate (Kg)	1500	1850	2000	2085

** If the ambient temperature is too high or too low, performance will be limited.*
** Under specific test conditions.*

KILOVANT

ALL-IN-ONE ENERGY STORAGE SYSTEM

KV-AIO SERIES



- Built-in Lithium Battery Auto-Activation
- BMS Protection
- Dustproof Design
- RGB Status Lighting
- Universal Wheel Mobility
- Constant Voltage Protection

DATASHEET

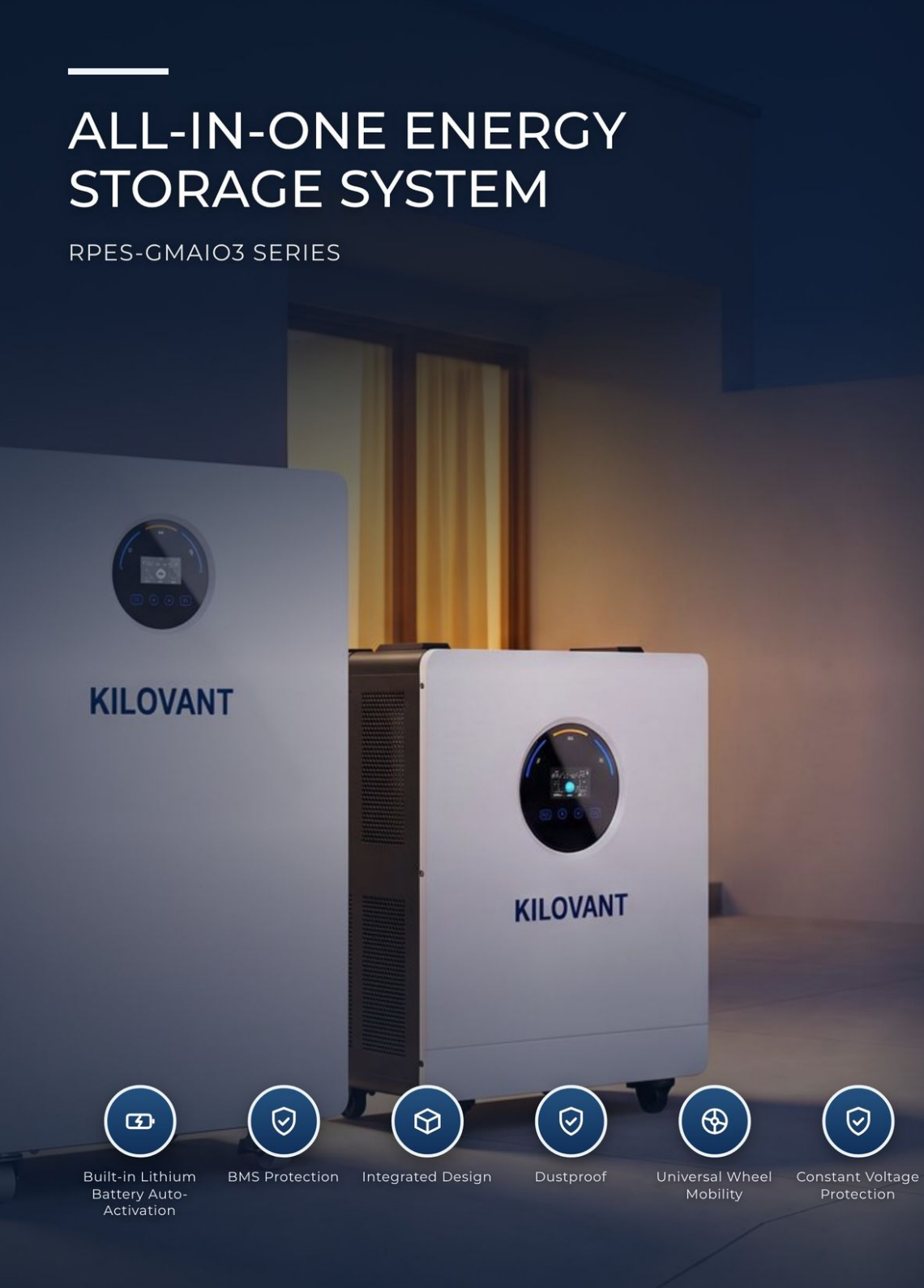
Specifications	6KW PLUS-200AH	12KW PLUS-400AH
PV (DC Input)		
Recommended Max. PV Input Power	6000W	12000W
Max. Input Voltage	500V	
MPPT Operating Voltage Range	85V-450V (@75V start up)	
Number of MPPT	1	2
Max. Number of Input Strings Per MPPT	1	
Max. input Current Per MPPT	27A	27A/13A (MAX:40A)
Max. Short-Circuit Current Per MPPT	35A	37A/17.5A
Grid (AC Input)		
Max output power	6000W	12000W
Max output current	50A	70A
Rated grid voltage	220/230/240V (L, N, PE)	
Rated grid frequency	50/60Hz	
Acceptable range	170-280 Vac (for UPS), 90-280 Vac (for home application)	
Battery Parameters (Bidirection)		
Battery type	LiFePO4	
Battery voltage range	40-60 Vdc	
Battery capacity	10.24kWh	20.48kWh
Rated Battery Voltage	48Vdc/51.2Vdc	
Max. charge/discharge current	120A / 130A	210A / 240A
BMS Communication Mode	Software Version	
Back-up Output (AC output)		
Rated output power	6000W/6000VA	12000W/12000VA
Rated output current	27.3A	54.5A
Rated output voltage/Frequency	220/230/240V (L, N, PE) 50/60Hz	
Surge power	12000VA 5s	22000VA 5s
THDV (@ linear load)	<3%	
Efficiency		
Peak Efficiency	98%	
Max. MPPT Efficiency	99.90%	
IP Rating	IP21	
General Parameters		
Operating temperature range	-10°C ~ 50°C	
Relative humidity range	10%~95%	
Max. operating altitude	>2000m derating	
Standby self-consumption	<10W	<20W
Cooling mode	Fan Cooling	
Dimension DWH	450x450x515mm	800x440x365mm
Weight	≈118kg	≈170kg

** If the ambient temperature is too high or too low, performance will be limited.*
** Under specific test conditions.*

KILOVANT

ALL-IN-ONE ENERGY STORAGE SYSTEM

RPES-GMAIO3 SERIES



Built-in Lithium Battery Auto-Activation

BMS Protection

Integrated Design

Dustproof

Universal Wheel Mobility

Constant Voltage Protection

DATASHEET

Specifications	6KW PLUS-100AH	12KW PLUS-300AH
PV (DC Input)		
Recommended Max. PV Input Power	6000W	12000W
Max. Input Voltage	500V	
MPPT Operating Voltage Range	85V-450V (@75V start up)	
Number of MPPT	1	2
Max. Number of Input Strings Per MPPT	1	
Max. input Current Per MPPT	27A	27A/13A (MAX:40A)
Max. Short-Circuit Current Per MPPT	35A	37A/17.5A
Grid (AC Input)		
Max output power	6000W	12000W
Max output current	50A	70A
Rated grid voltage	220/230/240V (L, N, PE)	
Rated grid frequency	50/60Hz	
Acceptable range	170-280 Vac (for UPS), 90-280 Vac (for home application)	
Battery Parameters (Bidirection)		
Battery type	LiFePO4	
Battery voltage range	40-60 Vdc	
Battery capacity	5.12kWh	15.36kWh
Rated Battery Voltage	48Vdc/51.2Vdc	
Max. charge/discharge current	120A / 130A	210A / 240A
BMS Communication Mode	Software Version	
Back-up Output (AC output)		
Rated output power	6000W/6000VA	12000W/12000VA
Rated output current	27.3A	54.5A
Rated output voltage/Frequency	220/230/240V (L, N, PE) 50/60Hz	
Surge power	12000VA 5s	22000VA 5s
THDV (@ linear load)	<3%	
Efficiency		
Peak Efficiency	98%	
Max. MPPT Efficiency	99.90%	
IP Rating	IP21	
General Parameters		
Operating temperature range	-10°C ~ 50°C	
Relative humidity range	10%~95%	
Max. operating altitude	>2000m derating	
Standby self-consumption	<10W	<20W
Cooling mode	Fan Cooling	
Dimension DWH	510x440x270mm	650x360x970mm
Weight	≈58kg	≈160.5kg

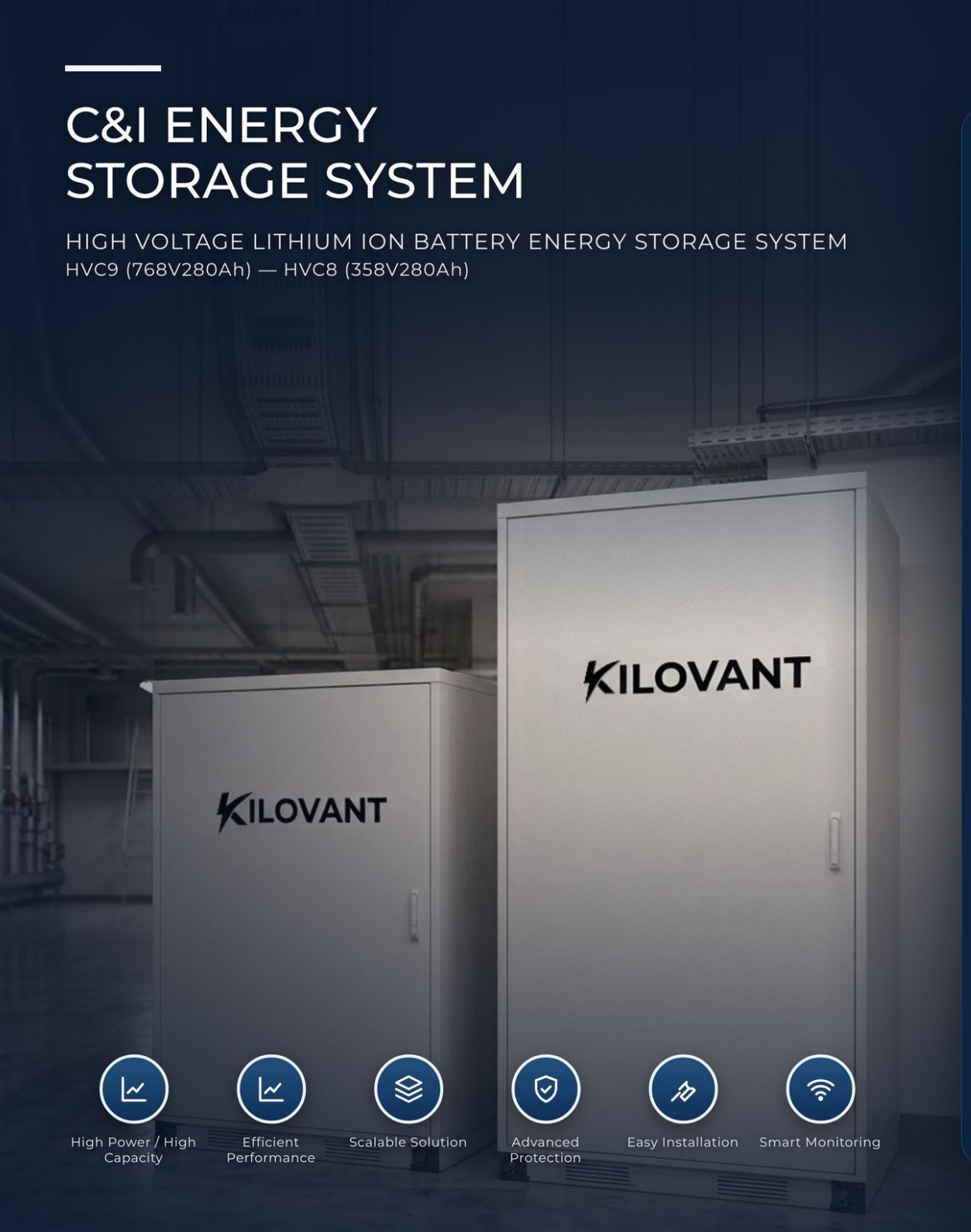
** If the ambient temperature is too high or too low, performance will be limited.*
** Under specific test conditions.*

KILOVANT

C&I ENERGY STORAGE SYSTEM

HIGH VOLTAGE LITHIUM ION BATTERY ENERGY STORAGE SYSTEM

HVC9 (768V280Ah) — HVC8 (358V280Ah)



High Power / High Capacity

Efficient Performance

Scalable Solution

Advanced Protection

Easy Installation

Smart Monitoring

DATASHEET

Specifications	HVC9 (768V280Ah)	HVC8 (358V280Ah)
Battery System Parameters		
Battery Module Type	51.2V	
Battery Module Number	15	7
Battery Module Dimension	440*760*230mm	
Battery Capacity	280Ah	
Standard Charging Voltage Range	55.2~56V	
Cut-off Voltage	44.8V	
Battery Max Charge Current	200A	
Battery Max Discharge Current	200A	
System Parameters		
Communication Port	EMS: RS485, Battery: CAN or RS485	
DIDO	DI*2 DO*2	
Rated Voltage	768V	358.4V
Standard Charging Voltage Range	828V~840V	386.4V~392V
Cut-off Voltage	672V	313.6V
Max Continuous Discharge Current	200A	
Max Charge Current	200A	
Operating Temperature Range	0~55°C	
Storage Temperature	-10°C~35°C	
Humidity	5~95% RH	
Cooling	FAN	
Display	—	Built-in 7 Inch
Inverter Certificate	CE, IEC62019, IEC62477, IEC61000, EN50549	
Cabinet		
Cooling	Air conditioner	
System Weight	≈1900kg	≈1430kg
Dimension	Approx 1450*1200*2230mm	Approx 1000*1533*1500mm
Inverter Installation	Built-in Cabinet	

** If the ambient temperature is too high or too low, performance will be limited.*

** Under specific test conditions.*

KILOVANT

C&I ENERGY STORAGE SYSTEM

HIGH VOLTAGE LITHIUM ION BATTERY ENERGY STORAGE SYSTEM

HVC7 (50kW-100kWh) — HVC6 (30kW-50kWh)



High Power & Capacity

Efficient Performance

Scalable Solution

Advanced Protection

Easy Installation

Smart Monitoring

DATASHEET

Specifications	HVC7 (50kW-100kWh)	HVC6 (30kW-50kWh)
Battery System Parameters		
Battery Module Type	51.2V	
Battery Module Number	7	4
Battery Module Dimension	442*750*230mm	
Battery System Voltage	358.4V	204.8V
Battery Capacity	280Ah	
Normal Energy	100kWh	50kWh
Battery Max Charge Current	160A	100A
Battery Max Discharge Current	160A	100A
Charge Voltage	386.4V	220.8V
Cut-off Voltage	313.6V	179.2V
System Parameters		
Communication Port	EMS: RS485, Battery: CAN or RS485	
DIDO	DI*2 DO*2	
Efficiency	97%	
Module Weight	35kg*2	35kg
Dimension	440*560*183mm	
IP Rate	IP20	
Work Temperature Range	-30~60°C	
Humidity	5~95% RH	
Cooling	FAN	
Inverter Certificate	CE, IEC62019, IEC62477, IEC61000, EN50549	
Inverter Parameters (50kW / 30kW)		
Max Battery Voltage	850V	
Min Battery Voltage	160V	160V
Normal Voltage Range	320V~850V	320V~850V
Max Charge/Discharge Current	160A	100A
PV Parameter		
Max Power	30kW*2	19.2kW+19.2kW
Max PV Voltage	850V	
PV Start Voltage	250V	
MPPT Voltage Range	200V~830V	
Max PV Current	(25A+25A)*2	32A+32A
On Grid		
Normal Power	25kVA*2	18kVA
Normal Current	36.2A*2	26A
AC voltage	400V/230V	
AC voltage range	-20%~15%	
Frequency Range	50Hz/47Hz~52Hz, 60Hz/57Hz~62Hz	
Power Factor	-0.8~0.8	
Off Grid		
Normal Power	25kVA*2	18kVA
Max Out Power	27.5kVA*2	21kVA
Normal Current	36.2A*2	26A
Max Output Current	40A*2	30A
AC Voltage	400V/230V	
Output Voltage Harmonics	<3% (resistive load)	
Degree Of Unbalance	100%	
Frequency Range	50/60HZ	
Overload	(39.8A<I loads≤45A/100s, 45A<I loads≤54A/100ms)*2	28.6A<I loads≤32.5A/100s, 32.5A<I loads≤39A/100ms
Cabinet		
Cooling	Air conditioner	
System Weight	≈1430kg	≈915kg
Dimension	Approx 1000*1450*2100mm	Approx 800*1450*2100mm
Inverter Installation	Built-in Cabinet	

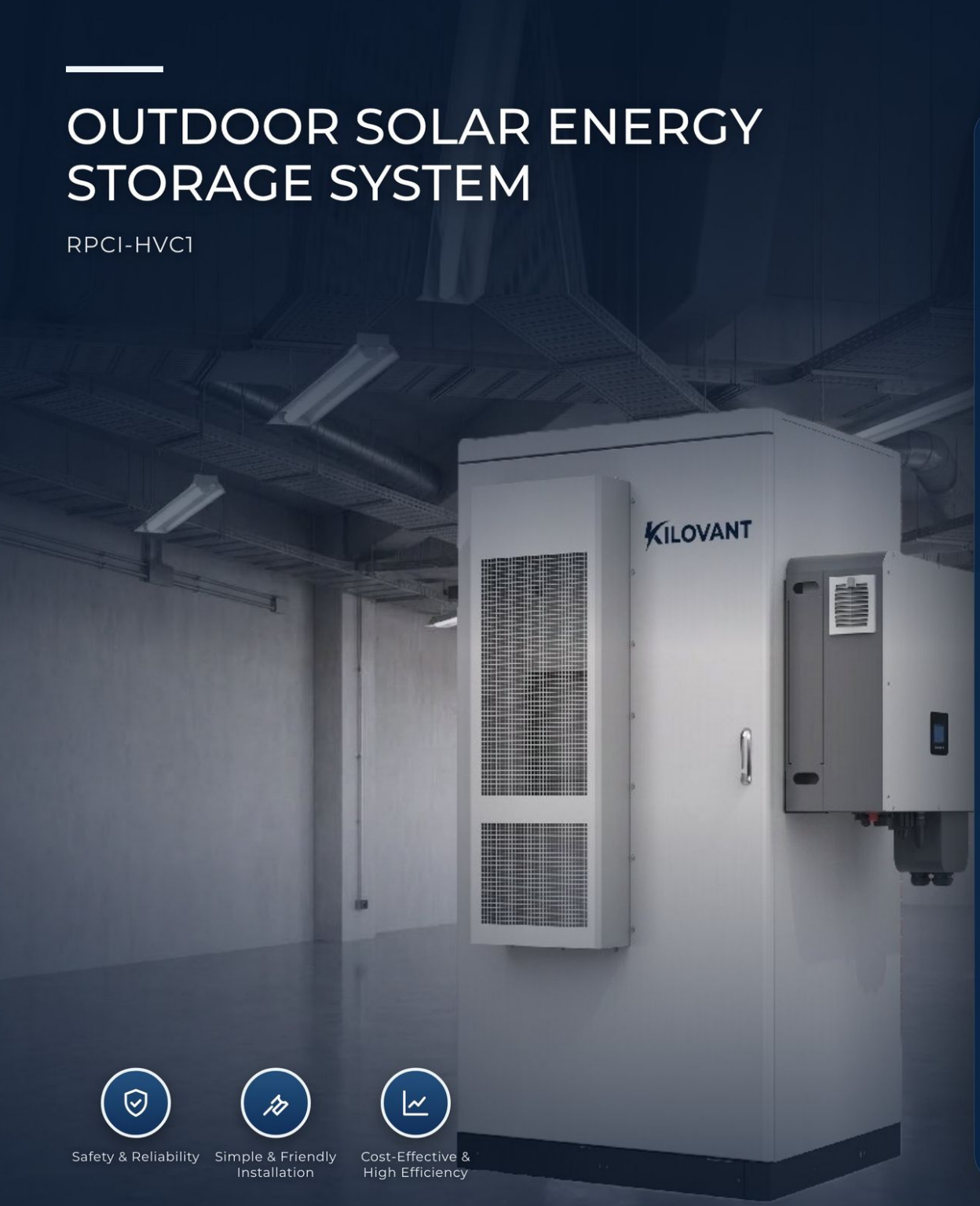
** If the ambient temperature is too high or too low, performance will be limited.*

** Under specific test conditions.*

KILOVANT

OUTDOOR SOLAR ENERGY STORAGE SYSTEM

RPCI-HVC1



Safety & Reliability

Simple & Friendly Installation

Cost-Effective & High Efficiency

DATASHEET

Specifications	RPCI-HVC1
Battery Parameters	
Cell Chemistry	LiFePO4
Module Energy	10.24 kWh
Module Nominal Voltage	51.2V
Module Capacity	200Ah
Battery Module Qty	10
System Energy	102.4kWh
System Nominal Voltage	512V
Operating Voltage Range	448V~576V
Charge/Discharge Efficiency	Max. 0.5C
Dimension (W*D*H)	1200*1000*2150mm
Weight	1430KG
Operating Temperature Range	-25°C ~ +50°C
Cooling Method	Air Conditioner
Inverter Parameters — DC-PV	
Max. PV Voltage	1000V
MPPT Range/Nominal	180V~1000V
Max. Input Current/String	36A*2
Qty. of MPPT	4
Max. Input Power/String	50kW
AC-On-Grid	
Rated AC Output Power	50kW
Max. AC Output Power	50kVA
Max. AC Current	75A
Rated AC Voltage	400V 3L/N/PE
Rated Grid Frequency/Range	50/60Hz ± 5Hz
AC Current Harmonics	<3% (100% LOAD)
AC-Off-Grid	
Rated AC Voltage	400V 3L/N/PE
Rated Grid Frequency/Range	50/60Hz
Rated AC Output Power	50KW
Max. AC Charge/Discharge Current	75A
Switch Time	≤10ms

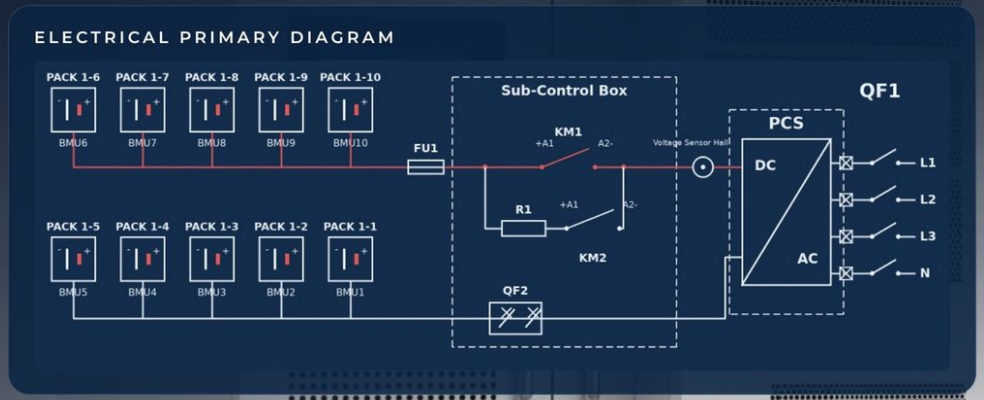
** If the ambient temperature is too high or too low, performance will be limited.*
** Under specific test conditions.*

KILOVANT

INTELLIGENT DISTRIBUTED ENERGY STORAGE SYSTEM

RPCI-HVC5 (KILOVANT-ESS-01)

ELECTRICAL PRIMARY DIAGRAM



- Peak Power Output
- Long-Duration Capacity
- Advanced BMS Protection
- Rapid Charge/Discharge
- Modular Expansion
- Remote Monitoring

DATASHEET

Specifications	RPCI-HVC5
Rated Battery Capacity	215kWh
Nominal Voltage	AC400V
Charge & Discharge Rate	≤0.5CP
Cooling Method	Intelligent air cooling
Auxiliary Electrical Parameters	50Hz/60Hz
Fire Protection System	S type aerosol
Anti-corrosion Level	C3
IP Rating	IP54
Operating Temperature Range	-20°C ~ 50°C
Storage Temperature	-20°C ~ 55°C
Operating Humidity Range	0~95% RH
Operating Condition	Maximum 2 charges & 2 discharges per day
System Communication Interface	Ethernet/RS485/CAN
External Communication Protocol	Modbus TCP/IEC61850/Modbus RTU
Altitude	Within 3000m
Dimension [mm] (D*W*H)	1740*1100*2330
Weight (kg)	≤2400
Certification	CE / EN IEC 61000 / UN38.3
Installation Method	Outdoor

** If the ambient temperature is too high or too low, performance will be limited.*
** Under specific test conditions.*

KILOVANT

TELECOM RACK EDLF

48V SERIES



Longer Cycle Life

Lighter Weight

Higher Power

Wider Temperature Range

Superior Safety

Multi-Protocol Compatibility

DATASHEET

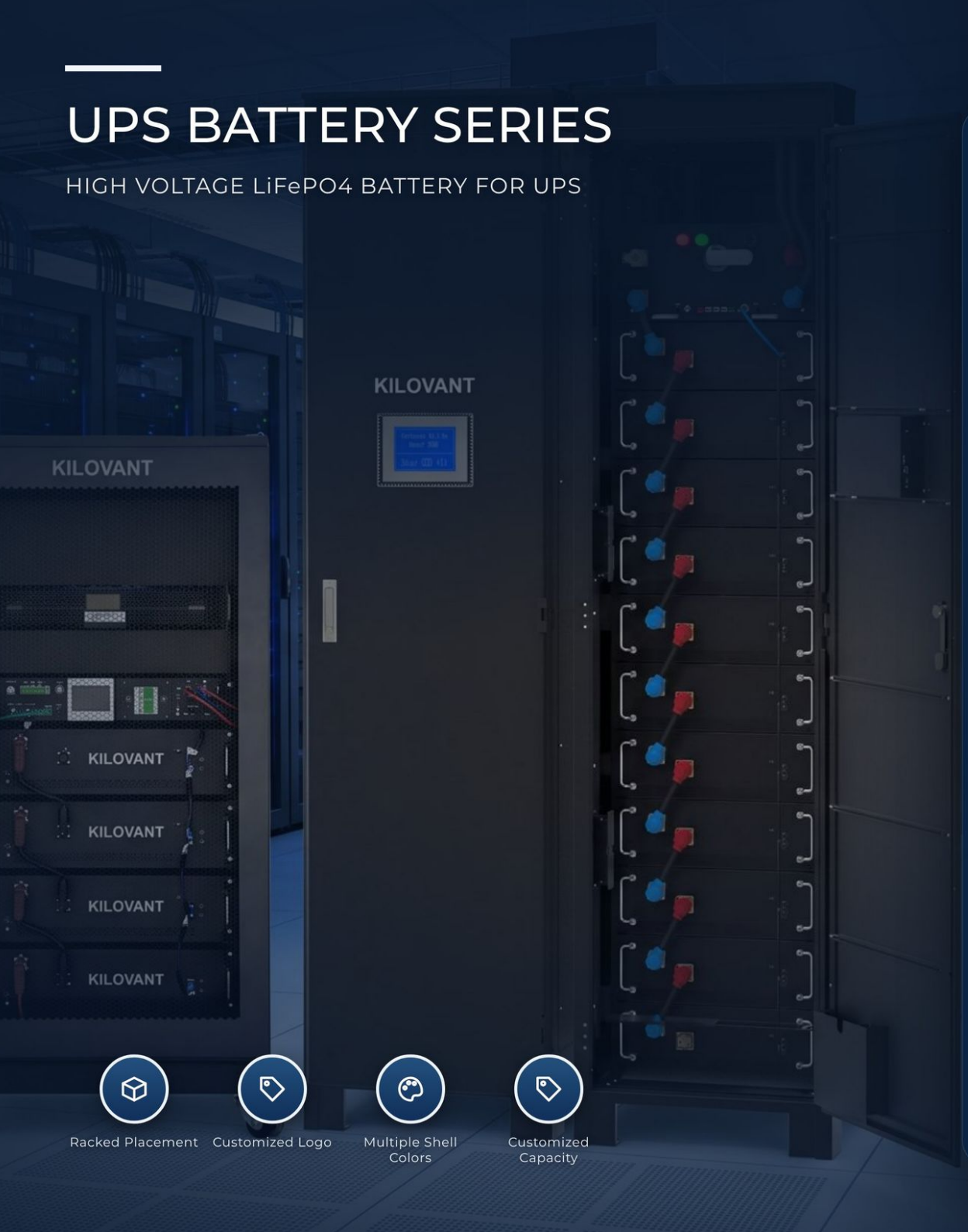
Model	EDLF-48100	EDLF-48150	EDLF-48200
Electrical Characteristics			
Nominal Voltage	48.0V		
Nominal Capacity	100Ah	150Ah	200Ah
Nominal Energy	4800Wh	7200Wh	9600Wh
Combination Method	15S1P		
Cycle Life	≥6000 cycles @ 80% DOD 25°C		
Months Self Discharge	1%/M		
Efficiency Of Charge	≥97%		
Efficiency Of Discharge	≥98%		
Standard Charge			
Recommended Charging Voltage	54.0V	54.8V	54.0V
Recommended Charging Current	20A	30A	40A
Max. Charging Voltage	54.75V		
Max. Charging Current	100A		
Standard Discharge			
Recommended Discharging Current	50A	75A	100A
Max. Pulse Current	100A	150A	200A
Discharge Cut-off Voltage	40.0V		
Environmental			
Charge Temperature	0°C~55°C		
Discharge Temperature	-20°C~60°C		
Storage Temperature	0°C~40°C		
Other			
IP Class	IP30		
Case Material	SPPC		
Dimensions	442*450*133mm	442*570*133mm	442*480*222mm
Weight	43kg	60kg	80kg
Optional	Anti-theft function, LCD display, GPS module		

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KILOVANT

UPS BATTERY SERIES

HIGH VOLTAGE LiFePO4 BATTERY FOR UPS



Racked Placement

Customized Logo

Multiple Shell Colors

Customized Capacity

DATASHEET

Specifications	192V	384V	480V	512V
Rated Capacity	50Ah	100Ah	100Ah	100Ah
Rated Energy	9.60kWh	19.20kWh	38.40kWh	48.00kWh
Output Voltage Range	162V~216V	324V~432V	420.0V~540.0V	432V~576V
Charging Voltage	216V	432V	540.0V	552V
Cut-off Voltage	162V	324V	420.0V	432V
Max. Charging Current	50A	100A	100A	100A
Recommended Charging Current	25A	50A	50A	100A
Max. Discharging Current	50A	100A	100A	100A
Efficiency	>98%			
Dimension L*W*H (mm)	600*800*1200	600*1000*1200	600*1000*2000	1200*1000*2000
Weight (kg)	≈190	≈230	≈550	≈950
Humidity	5%~95% Relative humidity			
Charging Temperature	0°C~55°C			
Discharging Temperature	-20°C~60°C			
Storage Temperature	-10°C~30°C			
Cycle Life	>6000 times (0.2C, @25°C, 80%DOD)			
Design Life	>10 years			

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KILOVANT

AGV POWER BATTERY SERIES

AGV POWER BATTERY



Golf Carts & Park Vehicles · AGVs · Aerial Work Platforms · Unmanned Forklifts · Industrial Cleaning Equipment

DATASHEET

Specifications	RPPB-APM1 (36V)	RPPB-APM1 (51.2V)	RPPB-APM2 (51.2V)	RPPB-APM2 (72V)
COMPATIBLE APPLICATIONS : Golf Carts & Park Vehicles · AGVs & Automated Guided Vehicles · Aerial Work Platforms · Unmanned Forklifts · Industrial Cleaning Equipment				
Rated Voltage	36V	51.2V	51.2V	72V
Rated Capacity	105Ah	105Ah	150Ah	105Ah
Rated Energy	3.78kWh	5.38kWh	7.68kWh	7.56kWh
Output Voltage Range	33.6V~43.2V	44.8V~57.6V	44.8V~57.6V	67.2V~86.4V
Charging Voltage	41.4~43.2V	44.8~57.6V	55.2~57.6V	84~85.2V
Cut-off Voltage	33.6V	44.8V	43.2V	64.8V
Max. Charging Current	100A	100A	50A	100A
Recommended Charging Current	25A	25A	25A	25A
Max. Discharging Current	200A	150A	100A	200A
Efficiency	>98%			
Dimension L*W*H (mm)	400*335*255	375*310*285	560*355*250	650*335*245
Weight (kg)	≈36.5	≈41.5	≈60.5	≈64
Humidity	5%~95% Relative humidity			
Charging Temperature	-20°C~50°C			
Discharging Temperature	-20°C~55°C			
Storage Temperature	-10°C~30°C			
Cycle Life	>3000 times (0.5C, @25°C, 80%DOD)			
Design Life	>10 years			

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KILOVANT

LEAD-ACID REPLACEMENT

100Ah / 120Ah / 150Ah / 200Ah / 250Ah / 300Ah



CHARGING METHODS

- Solar Charging
- Generator Charging
- Mains Power & Charger

KEY FEATURES

- Internal BMS
- A+ Prismatic Cell
- 6000+ Cycle Times
- Environmental Protection
- Lighter Weight
- High Stability

DATASHEET

Battery Model	100Ah 12.8V	120Ah 12.8V	150Ah 12.8V	200Ah 12.8V	250Ah 12.8V	300Ah 12.8V
COMPATIBLE APPLICATIONS : Home Backup Power · Small UPS · Booth Lighting · Marine · Outdoor Work · RV Power						
Nominal Voltage	12.8V					
Cell Model	4S1P					
Nominal Capacity	100Ah	120Ah	150Ah	200Ah	250Ah	300Ah
Nominal Energy	1280Wh	1536Wh	1920Wh	2560Wh	3200Wh	3840Wh
Maximum Charging Current	50A	60A	60A	80A	100A	100A
Maximum Discharge Current	80A (Rated) 300A (1s, Peak)	80A (Rated) 300A (1s, Peak)	60A (Rated) 300A (1s, Peak)	80A (Rated) 300A (1s, Peak)	120A (Rated) 300A (1s, Peak)	120A (Rated) 300A (1s, Peak)
Discharge Termination Voltage	10.4V					
Charging Voltage	14.6V					
Charge Over Current Protection	50A	60A	60A	80A	100A	100A
Discharge Over Current Protection	>80A	>80A	>80A	>80A	>120A	>120A
Energy Extension	Max. Support up to 4 units in series					
Communication Function	none					
Ingress Protection	IP65					
Working Temperature	Charge(°C): 0~55°C, Discharge(°C): -20~55°C					
Working Humidity	<80%RH					
Dimensions (mm) (W*D*H)	168*260*220	170*485*245	170*495*245	270*520*230	270*520*230	270*520*23
Weight (kg)	9.6	16.7	16.7	29.5	30.2	30.2

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** Under specific test conditions.*

KILOVANT

HYBRID SOLAR INVERTER

EU STANDARD



Pure Sine Wave Solar Inverter

Runs Without Battery

Lithium Battery Auto-Activation

WiFi & GPRS Monitoring

Built-in MPPT Solar Controller

Wide Voltage Input

Built-in Anti-Dust Kit

Smart Battery Charge Optimization

DATASHEET

Model	1.5KW	3.6KW	4.2KW	5.5KW	5KWBG	6.2KW	6.2KWBG	13.2KW
AC INPUT								
Rated Input Voltage (VAC)	208/220/230/240±N+PE							
Voltage Range (VAC)	90-280×3 (normal mode) / 170-280×3 (UPS mode)							
Frequency (Hz)	50/60 (Auto Adaptive)							
AC OUTPUT								
Rated Capacity (kW)	1.5	3.6	4.2	5.5	5	6.2	6.2	13.2
Surge Power (kVA)	3.0	7.2	8.4	11	10	12	12	26.4
Voltage (VAC)	208/220/230/240							
Power Factor	1							
Frequency	50/60Hz±0.1%							
Switch Time (ms)	10 (normal mode) / 10 (UPS mode)							
Wave Form	Pure Sine Wave							
Overload Capacity (Battery Mode)	60s@102%-110% load; 10s@110%-130% load; 3s@130%-150% load; 0.2s@>150% load							
Max. Efficiency (Battery Mode)	>90% (12VDC)	>93% (24VDC)	>93% (24VDC)	>93% (48VDC)	>93% (48VDC)	>93% (48VDC)	>93% (48VDC)	>93% (48VDC)
Parallel Quantity	NA	NA	NA	NA	9 Max	NA	9 Max	6 Max
CHARGER (PV / AC)								
Solar Charger Type	MPPT							
Max PV Input Current/Power	14A/1000W	18A/5000W	18A/5000W	22A/6000W	22A/6000W	22A/6000W	22A/6000W	22A*2 / 5500W*2
MPPT Range@ Operating Voltage (VDC)	20-160	40-450	40-450	120-450	120-450	170-450	120-450	170-450
Max PV Open Circuit Voltage (VDC)	125	500	500	500	500	500	500	500
Max PV Charge Current (A)	60	100	100	100	80	100	80	150
Max AC Charge Current (A)	60	100	100	80	80	80	80	150
Max. Charge Current (PV+AC)(A)	120	100	100	100	80	100	80	150
BATTERY								
Rated Voltage (VDC)	12	24	24	48	48	48	48	48
Floating Charge Voltage (VDC)	13.5	27	27	54	54	54	54	54
Overcharge Protection (VDC)	15	30.5	30.5	61	61	61	61	60
Battery Type	Lithium and Lead-acid							
INTERFACE								
MMI	LCD							
Interface	RS485/USB	RS485/232/USB/Dry Contact	RS485/232/USB/Dry Contact	RS485/232/USB/Dry Contact	RS485/232/USB/Dry Contact	RS485/232/USB/Dry Contact	RS485/232/USB/Dry Contact	RS485/USB/Dry Contact
Monitoring	NA	WiFi (Optional)	WiFi (Optional)	WiFi (Optional)	WiFi (Optional)	WiFi (Optional)	WiFi (Optional)	WiFi (Optional)
GENERAL DATA								
Ingress Protection	IP20							
Operating Temperature	-10°C~50°C							
Relative Humidity	5%-95% (Non-condensing)							
Storage Temperature	-10°C~50°C	-15°C~60°C	-10°C~50°C	-15°C~60°C	-10°C~50°C	-15°C~60°C	-10°C~50°C	-25°C~55°C
Net Weight (KG)	3.54	6.25	6.25	8.73	8.73	8.73	8.73	20
Dimensions (WHD mm)	334.5*324*91	440*290*100	440*290*100	470*300*110	470*300*110	470*300*110	470*300*110	550*365*130
Max Operating Altitude	4000m (Derating above 1000m)							

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** Under specific test conditions.*

KILOVANT

HYBRID SOLAR INVERTER

US STANDARD



Pure Sine Wave Solar Inverter

Runs Without Battery

Lithium Battery Auto-Activation

WiFi & GPRS Monitoring

Built-in MPPT Solar Controller

Wide Voltage Input

Built-in Anti-Dust Kit

Smart Battery Charge Optimization

DATASHEET

Model	3.6KW	6.5KW	12KW
PARALLEL MODE (FUNCTION RESERVED)			
Allow Quantity		1-6	
MAINS MODE			
Nominal Input Voltage	120Vac±5%	120Vac±5%	120(L1/N, L2/N)/240Vac(L1/L2)
Input Phase Voltage Range	(90Vac-140Vac)±2%	(90Vac-140Vac)±2%	(85Vac-140Vac)±2%
Frequency		50Hz/60Hz (Auto Detection)	
Frequency Range		47±0.3Hz-55±0.3Hz (50Hz); 57±0.3Hz-65±0.3Hz (60Hz)	
Max. Efficiency		>95%	
Conversion Time (Bypass And Inverter)		10ms (Typical)	
Max. Bypass Phase Overload Current	40A	63A	2P,63A/63A(L1/L2)
INVERTER MODE			
Output Voltage Waveform		Pure Sine Wave	
Nominal Output Power (VA)/(W)	3600VA/3600W	6500VA/6500W	Split Phase:12000VA/12000W, Single Phase: 7200VA/7200W
Power Factor		1	
Nominal Output Voltage (VAC)	120Vac	120Vac	120Vac (L1/N, L2/N)/240Vac(L1/L2)
Output Frequency Range (Hz)		50Hz±0.3Hz/60Hz±0.3Hz	
Max. Efficiency		>91%	
Overload Protection	(102%<load<125%)+10% report error and turn off output after 5 minutes; (125%<load<150%)+10% report error and turn off output after 10 seconds; Load>150%±5% report error and turn off output after 5 seconds	(same)	(102%<load<110%)±5%; (110% <load<125%)±5%; Load>125%±5%
Peak Power	72000VA	12000VA	Split phase: 18000VA, Single phase: 18000VA
Loaded Motor Capability	2HP	5HP	6HP
Nominal Battery Input Voltage		48V (Minimum starting voltage 44V)	
Battery Voltage Range	40.0Vdc-60Vdc±0.5Vdc	40.0Vdc-60Vdc±0.5Vdc (undervoltage alarm/shutdown voltage/overvoltage alarm/overvoltage recovery... settable on LCD screen)	(same)
Save Power Mode		Load<25W Enter Power-Saving Mode	
MAINS CHARGE			
Battery Type		Lead acid or lithium battery	
Max. Charge Current (Configurable)	40A	120A	160A
Charge Voltage Range		40-60Vdc	
SOLAR CHARGE			
Max. PV Open Circuit Voltage	300Vdc	300Vdc	500Vdc
PV Operate Voltage Range	80Vdc-300Vdc	80Vdc-300Vdc	90Vdc-500Vdc
MPPT Voltage Range	90Vdc-260Vdc	90Vdc-250Vdc	90Vdc-450Vdc
Battery Voltage Range		40-60Vdc	
Max. PV Input Power/Current	4000W/22A	4500W×2/22A×2	6000W×2/22A×2
Charge Current Range (Configurable)	0-80A	0-150A	220A
MAX. HYBRID CHARGE CURRENT (PV+AC)			
Max. Hybrid Charge Current (Configurable)	0-80A	0-150A	0-220A
CERTIFICATION			
Safety Certification		CEC / IEC62109-1,2	
EMC Certification Level	EN61000, C2	EN61000, C2	FCC part15, CLASS B
Operate Temperature Range	-15°C to 55°C	-15°C to 55°C	-10°C to 55°C (>45°C derating)
Storage Temperature Range		-25°C ~ 60°C	
Humidity Range	5% to 95% (Three anti-point protection)	5% to 95% (Three anti-point protection)	5% to 95% (Conformal coating protection)
Noise		≤60dB	
Cooling		Forced air cooling, Dual intelligent speed regulating fans	
Communicate		USB/RS485//WiFi/GPRS// Dry node control	
Dimensions (LWD mm)	415*280*100	550*365*130	620*450*132
Weight (KG)	7.8	20	23.8

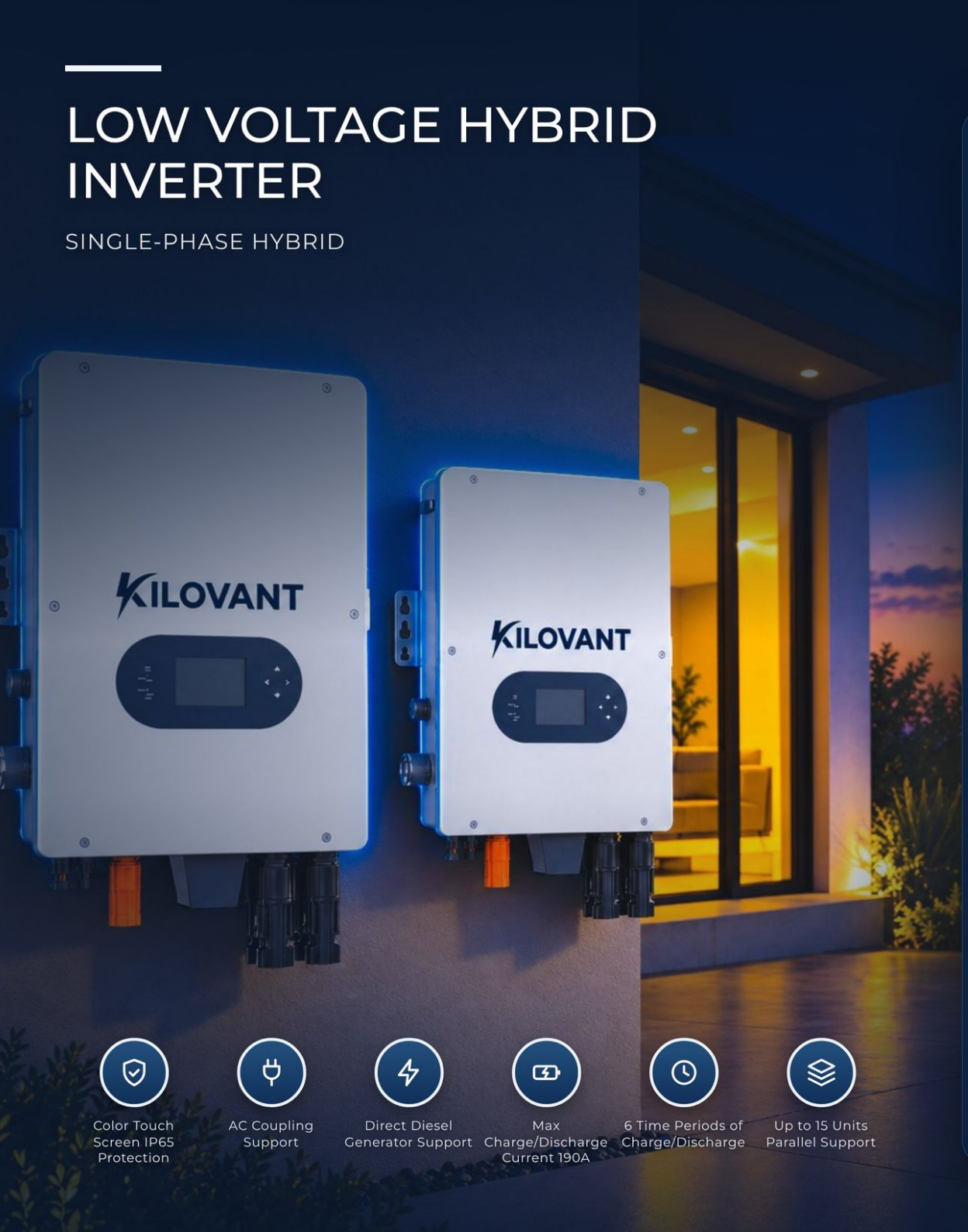
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** Under specific test conditions.*

KILOVANT

LOW VOLTAGE HYBRID INVERTER

SINGLE-PHASE HYBRID



Color Touch Screen IP65 Protection

AC Coupling Support

Direct Diesel Generator Support

Max Charge/Discharge Current 190A

6 Time Periods of Charge/Discharge

Up to 15 Units Parallel Support

DATASHEET

Model	6K	8K	10K	12K
BATTERY INPUT DATA				
Battery Type	Lead-acid or Li-Ion			
Battery Voltage Range (V)	40-60			
Max. Charging Current (A)	135	190	220	250
Max. Discharging Current (A)	135	190	220	250
Charging Curve	3 Stages / Equalization			
External Temperature Sensor	Yes			
Charging Strategy for Li-Ion Battery	Self-adaption to BMS			
PV STRING INPUT DATA				
Max. DC Input Power (W)	7800	10400	13000	15600
PV Input Voltage (V)	370V (125V~500V)			
MPPT Range (V)	150-425			
Full Load DC Voltage Range	200-425			
Start-up Voltage (V)	125V			
PV Input Current (A)	13+13	20+20	26+26+26	26+26+26
No. of MPPT Trackers	2	2	3	3
No. of Strings Per MPPT Tracker	1+1	1+1	1+1+1	1+1+1
AC INPUT/OUTPUT DATA				
Rated AC Output and UPS Power (W)	6000	8000	10000	12000
Max. AC Output Power (W)	6000	8000	11000	13200
Peak Power (offgrid)	2 times of rated power, 10s			
AC Input/Output Rated Current (A)	27.3/26.1	38.4/34.8	45.5/43.5	54.6/52.2
Max. AC Input/Output Current (A)	30/28.7	40/38.3	50/47.9	60/57.4
Max. Continuous AC Passthrough (A)	40	50	60	60
Power Factor	0.8 leading – 0.8 lagging			
Output Frequency and Voltage	50/60Hz; 220/230Vac			
Grid Type	Single Phase			
Total Harmonic Distortion (THD)	<3% (of nominal power)			
DC Current Injection	<0.5%In			
EFFICIENCY				
Max. Efficiency	97.60%			
Euro Efficiency	96.50%			
MPPT Efficiency	>99%			
CERTIFICATIONS AND STANDARDS				
Grid Regulation	IEC61727/EN50549-1	IEC61727/EN50549-1	IEC62116/IEC61727/EN50549-1	IEC62116/IEC61727/EN50549-1
Safety EMC / Standard	IEC/EN 61000-6-2/4;IEC/EN 62109-1;IEC/EN 62109-2			
GENERAL DATA				
Operating Temperature Range (°C)	-40~+60°C, +45°C Derating			
Cooling	Smart Cooling			
Noise (dB)	≤50 dB			
Communication With BMS	Rs485; CAN			
Monitoring Mode	WIFI/APP			
Weight (kg)	24	29	31	31
Cabinet Size (mm)	346Wx506Hx255D	426Wx526Hx255D	446Wx576Hx254D	446Wx576Hx254D
Protection Degree	IP65			
Installation Style	Wall-mounted			
Warranty	5 Years (10 Years Optional)			

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** Under specific test conditions.*

KILOVANT

LOW FREQUENCY SPLIT PHASE SOLAR INVERTER

120VAC/230VAC 1-12KW



Low Frequency Split Phase

UPS

PV Storage System

Built-in MPPT

Smart APP — RJ11/RJ45 RS232/485 for Option

AC Four-Level Charging Mode

Smart LED/LCD Setting

Pure Sine Wave Output

DATASHEET

Model	1KW	2KW	3KW	4KW	5KW	6KW	8KW	10KW	12KW
AC INPUT									
Nominal Power	1000W	2000W	3000W	4000W	5000W	6000W	8000W	10000W	12000W
Input Voltage Waveform	Pure Sine Wave (Same as Input/Bypass Mode)								
Nominal Input Voltage	120VAC (LV models)					230VAC (HV models)			
Low Line Disconnect	85Vac±4% (Normal) or 80Vac±4% (Wide)					184Vac±4% (Normal) or 155Vac±4% (Wide)			
Low Line Re-connect	95Vac±4% (Normal) or 85Vac±4% (Wide)					194Vac±4% (Normal) or 165Vac±4% (Wide)			
High Line Disconnect	135Vac±4% (Normal) or 142Vac±4% (Wide)					253Vac±4% (Normal) or 270Vac±4% (Wide)			
High Line Re-connect	125Vac±4% (Normal) or 135Vac±4% (Wide)					243Vac±4% (Normal) or 255Vac±4% (Wide)			
Max AC Input Voltage	Max 150Vac					Max 270Vac			
Frequency	50Hz: 41–54Hz / 60Hz: 51–64Hz								
AC OUTPUT									
Output Voltage Waveform	Sine Wave								
Power Factor	0.9–1.0								
Nominal Output Voltage (V)	120Vac±10%rms					120V/230Vac±10%rms			
Nominal Output Frequency (Hz)	60Hz±0.3Hz / 50Hz±0.3Hz								
AC CHARGER									
Nominal Charge Current	28A/50A/70A/90A (4-stage adjustable charging current, according to the model)								
Charge Current Regulation	±25%A dc								
Over Charge Protection	Bat.V≥15.5VDC for 12V battery; Bat.V≥31.0VDC for 24V battery; Bat.V≥62.0VDC for 48V battery; beeps 0.5s every 1s & fault after 60s								
Algorithm	Three stage: Boost CC (constant current) → Boost CV (constant voltage) → Float (constant voltage)								
SOLAR CHARGER									
Rated Charge Current	40A (1–5KW models) · 60A (6–12KW models)								
Max. PV Open Circuit Array Voltage	40Vdc for 12V; 55Vdc for 24V; 110Vdc for 48V								
Charger Mode	MPPT								
PV Low Voltage Re-connect	PV > Bat.V+3V								
PV Low Voltage Disconnect	PV = Bat.V								
Efficiency	>97%								
EFFICIENCY									
Efficiency (Battery Mode)	≥85%								
Efficiency (Line Mode)	>96%								
BATTERY VOLTAGE									
Nominal DC Input Voltage	12/24/48VDC								
Low Battery Alarm	10.5VDC±0.3VDC for 12VDC; 21VDC±0.6VDC for 24VDC; 42VDC±1.2VDC for 48VDC								
Low DC Input Shut-Down	10VDC±0.3VDC for 12VDC; 20VDC±0.6VDC for 24VDC; 40VDC±1.2VDC for 48VDC								
High DC Input Alarm & Fault	16VDC±0.3VDC for 12VDC; 32VDC±0.6VDC for 24VDC; 64VDC±1.2VDC for 48VDC								
Transfer Time	15ms (max)								
SYSTEM PARAMETER									
Over-load Protection	110%<load<150%, beeps 0.5s every 1s, fault after 60s off the output; Load>150%, beeps 0.5s every 1s, fault after 20s								
Output Short Circuit Protection	Current limit (Fault after 10s)								
Surge Rating (VA)	1:3 (VA)								
Power Saver	Load<25W (Enabled on P/S auto setting of remote control)								
Protections	Low battery, over charging, over load, over temp								
Indicators	LED + LCD Display								
GENERAL SPECIFICATIONS									
Operating Temperature Range	0°C to 40°C								
Storage Temperature	-15°C ~ 60°C								
Operation Humidity	5% to 95% (non-condensing)								
Audible Noise	60dB max								
Cooling	Forced air, variable speed fan								
Dimensions (L×W×H mm)	425×376×200 (1–3KW) · 560×420×235 (4–6KW) · 655×480×240 (8–12KW)								
Weight (KG)	19	22	29	33	36	39	58	61	63

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** Under specific test conditions.*

KILOVANT

HIGH VOLTAGE HYBRID INVERTER

3-PHASE HYBRID



- Color Touch Screen IP65 Protection
- Supports AC Coupling to Improve Solar System Efficiency
- Direct Support for Diesel Generator Power Without External Converter
- Max Charge and Discharge Current 240A
- Support to Set Up 6 Time Periods of Charge/Discharge
- Up to 16 Units Parallel During On/Off-grid Operation
- Supports Multiple Battery Parallel

DATASHEET

Model	8K	10K	12K	15K	20K	30K	40K	50K	60K
PV STRING INPUT DATA									
Max. DC Input Power (W)	10400	13000	15600	19500	26000	39000	52000	65000	78000
Max. DC Input Voltage (V)	1000								
Start-up Voltage (V)	180								
Full Load DC Voltage Range	325-850					150-850			
Rated DC Input Voltage (V)	600								
Input Current (A)	20+20	20+20	26+26	26+26	36+36+36	36+36 36+36	36+36 36+36	36+36 36+36	36+36 36+36
Max. DC Short Circuit Current (A)	30+30	30+30	39+39	39+39	55+55+55	55+55 55+55	55+55 55+55	55+55 55+55	55+55 55+55
No. of MPPT Trackers	2	2	2	2	3	4	4	4	4
No. of Strings Per MPPT Tracker	1+1	1+1	1+1	1+1	2+2	2+2+2	2+2+2+2	2+2+2+2	2+2+2+2
AC INPUT/OUTPUT DATA									
Rated AC Output Power (W)	8000	10000	12000	15000	20000	30000	40000	50000	60000
Max. AC Output Power (W)	8800	11000	14400	16500	22000	33000	44000	55000	66000
AC Input/Output Rated Current (A)	12.2	15.2/14.5	18.2	22.8	30.4/29.0	45.5/43.5	60.7/58.0	75.8/72.5	91
Max. AC Input/Output Current (A)	13.4	16.7/16	19.2	25.0	33.4/31.9	50/47.9	66.7/63.8	83.4/79.8	100
Three-phase Unbalanced Output Current (A)	17.8	22	26.8	33.5	44.7	50	70	83.3	100
Max. Continuous AC Passthrough (A)	32	40	48	60	80	118	158	197	237
Peak Power (Off Grid)	1.5 times of rated power, 10 S								
Generator Input/Smart Load/AC Couple Current (A)	12.2 32 12.2	15.2 40 15.2	18.2 48 18.2	22.8 60 22.8	30.4 80 30.4	45.5 118 45.5	60.7 158 60.7	75.8 197 75.8	91 237 91
Power Factor	0.8 leading ~ 0.8 lagging								
Output Frequency and Voltage	50/60Hz; 3L/N/PE 220/380Vac, 230/400Vac								
Grid Type	Three Phase								
Total Harmonic Distortion (THD)	<3%								
DC Current Injection	<0.5%In								
BATTERY INPUT DATA									
Battery Type	Lithium-ion								
Battery Voltage Range (V)	160-700								
Max. Charging Current (A)	37					50+50			
Max. Discharging Current (A)	37					50+50			
External Temperature Sensor	1					2			
Charging Strategy for Li-ion Battery	Self-adaption to BMS								
EFFICIENCY									
Max. Efficiency	97.6%								
Euro Efficiency	97.0%								
MPPT Efficiency	99.9%								
CERTIFICATIONS AND STANDARDS									
Grid Regulation	IEC61727/62116/EN50549-1								
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4; IEC/EN 62109-1; IEC/EN 62109-2								
GENERAL DATA									
Operating Temperature Range (°C)	-25 ~ +60°C, >45°C Derating					-40 ~ +60°C, >45°C Derating			
Cooling	Smart cooling								
Noise (dB)	≤65 dB					<70 dB			
Communication with BMS	CAN								
Monitoring Mode	WiFi/APP								
Cabinet Size (mm)	490(W)×680(H)×240D (Excluding connectors and brackets)								
Weight (kg)	30kg					62.5kg			
Protection Degree	IP65								
Warranty	5 Years (10 Years Optional)								

** If the ambient temperature is too high or too low, performance will be limited.*

** Under specific test conditions.*

KILOVANT

LOW VOLTAGE HYBRID INVERTER

3-PHASE HYBRID



- 48V Low Voltage Battery
- Built-in Transformer for Safety Isolation
- Supports AC Coupling to Improve Solar System Efficiency
- Direct Support for Diesel Generator Power Without External Converter
- Max Charge and Discharge Current 240A
- Support to Set Up 6 Time Periods of Charge/Discharge
- Up to 10 Units Parallel During On/Off-grid Operation
- Supports Multiple Battery Parallel

DATASHEET

Model	6K	8K	10K	12K
PV STRING INPUT				
Max. DC Input Power (W)	7800	10400	13000	15600
Rated PV Input Voltage (V)	550 (160-800)			
Start-up Voltage (V)	160			
MPPT Voltage Range (V)	200-650			
Full Load MPPT Voltage Range (V)	350-650			
No. of MPP Trackers / Max. DC Input Current (A)	13+13	13+13	26+13	26+13
Max. DC Short Circuit Current (A)	17+17	17+17	34+17	34+17
No. of MPPT Trackers	2			
No. of Strings Per MPPT Tracker	2+1			
AC INPUT/OUTPUT DATA				
Rated AC Output and UPS Power (W)	6000	8000	10000	12000
Max. AC Output Power (W)	6600	8800	11000	13200
Peak Power (off grid)	2 times of rated power, 10 S			
AC Input/Output Rated Current (A)	9.1/8.7	12.1/11.6	15.2/14.5	18.2/17.4
Max. AC Input/Output Current (A)	10/9.6	13.4/12.8	16.7/15.9	20/19.1
Max. Three-phase Unbalanced Output Current (A)	13.6/13	18.2/17.4	22.7/21.7	27.3/26.1
Max. Output Short Circuit Current (A)	75			
Max. Continuous AC Passthrough (A)	45			
Power Factor	0.8 leading ~ 0.8 lagging			
Output Frequency and Voltage	50/60Hz; 220/380Vac, 230/400Vac (Three Phase)			
Grid Type	Three Phase Four Wire			
Total Harmonic Distortion (THD)	<3%			
DC Current Injection	<0.5%In			
BATTERY				
Battery Type	Lead-acid or Lithium-ion			
Battery Voltage Range (V)	40-60			
Max. Charging Current (A)	120	160	200	240
Max. Discharging Current (A)	120	160	200	240
Charging Curve	3 Stages/Equalization			
External Temperature Sensor	Yes			
Charging Strategy for Li-ion Battery	Self-adaption to BMS			
EFFICIENCY				
Max. Efficiency	97.6%			
Euro Efficiency	97.0%			
MPPT Efficiency	99.0%			
CERTIFICATIONS AND STANDARDS				
Grid Regulation	IEC61727/62116/EN50549-1			
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4; IEC/EN 62109-1; IEC/EN 62109-2			
GENERAL DATA				
Operating Temperature Range (°C)	-40 ~ +60°C, >45°C Derating			
Cooling	Smart cooling			
Noise (dB)	<50 dB			
Communication with BMS	RS485/CAN			
Monitoring Mode	WiFi/APP			
Cabinet Size (mm)	446(W)×576(H)×255D (Excluding connectors and brackets)			
Weight (kg)	37.5			
Warranty / Protection Degree	5 Years (10 Years Optional) / IP65			

** If the ambient temperature is too high or too low, performance will be limited.*
** Under specific test conditions.*

KILOVANT

MICRO INVERTER

KVM-800/1000



Can Be Connected To Large Solar Systems

The Power Conversion Rate Is 96%

Warranty 5 Years

The Service Life Is Up To 25 Years

DATASHEET

Model	KVM-800	KVM-1000
INPUT PARAMETERS (DC)		
Recommended Solar Panel Input Power	275-530W × 2	275-530W × 2
Number Of DC Input Connections	MC4 ×2	
Maximum Input Voltage (V)	60V	
DC Voltage Input Range (V)	16-60V	
Starting Voltage (V)	22V	
Maximum Power Point Tracking Voltage Range (V)	22-55V	
MPPT Tracking Accuracy	>99.5%	
Maximum Input DC Current	14A*2	16A*2
OUTPUT PARAMETERS (AC)		
Maximum Output Power (W)	800W	1000W
Rated Output Voltage (V)	230V	
AC Voltage Range (V)	190-270V	
Maximum Output Current (A)	3.47A	4.34A
Rated Output Frequency (Hz)	50Hz/60Hz	
Output Frequency Range (Hz)	47.5-50.5Hz / 58.9-61.9Hz	
Harmonic Distortion	<5%	
Output Power Factor	>0.99	
Maximum Conversion Efficiency	96%	
Protection Level	Class I	
Protective Function	8 Protections	
Operating Temperature Range	-40°C to +85°C	
Indicator Light	Working status light + WiFi signal light	
Communication Mode	Wi-Fi / 2.4G	
Cooling Method	Natural cooling (no fan)	
Working Environment	Indoor / Outdoor	
Weight (kg)	2.52kg	
Sizes (L*W*H)	227mm × 195.5mm × 42mm	

** If the ambient temperature is too high or too low, performance will be limited.*
** Under specific test conditions.*

KILOVANT

N-TOPCon BIFACIAL SOLAR MODULE

KV-S625 | 605-625Wp

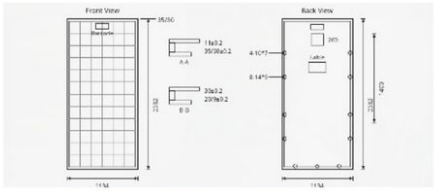
605-625Wp
Power Output

132-Cell
N-TOPCon Bifacial Monocrystalline

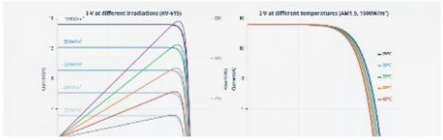
23.69%
Module Efficiency

1500V DC
Max System Voltage

2382×1134×35mm
Dimensions



DIMENSIONS OF PV MODULE (Unit: mm)



I-V CHARACTERISTICS (KV-615)



N-TOPCon Cell Technology

Bifacial Power Generation

23.69% Module Efficiency

1500V System Voltage

IP68 Junction Box

30-Year Linear Power Warranty

DATASHEET

Model	KV-S605	KV-S610	KV-S615	KV-S620	KV-S625
ELECTRICAL CHARACTERISTICS (STC*)					
Rated Power in Watts - Pmax (Wp)	605	610	615	620	625
Open Circuit Voltage - Voc (V)	40.29	40.43	40.57	40.72	40.86
Short Circuit Current - Isc (A)	15.02	15.09	15.16	15.23	15.30
Max. Power Voltage - Vmpp (V)	48.40	48.62	48.82	49.02	49.22
Max. Power Current - Impp (A)	15.92	15.98	16.04	16.10	16.16
Module Efficiency (%)	22.40	22.58	22.77	22.95	23.69
Maximum System Voltage			1500V DC		
Fuse Rating (A)			30		
Temperature Coefficient Pmax			-0.30%/°C		
Temperature Coefficient Isc			0.046%/°C		
Temperature Coefficient Voc			-0.25%/°C		
Bifacial Factor			80±5%		
*STC: Irradiance 1000W/m², module temperature 25°C, AM=1.5					
WORKING CHARACTERISTICS (NOCT*)					
Rated Power in Watts - Pmax (Wp)	457	461	465	469	473
Open Circuit Voltage - Voc (V)	37.75	37.92	38.09	38.26	38.44
Short Circuit Current - Isc (A)	12.11	12.16	12.21	12.26	12.31
Max. Power Voltage - Vmpp (V)	46.03	46.22	46.41	46.60	46.70
Max. Power Current - Impp (A)	12.86	12.92	12.98	13.04	13.10
Power Tolerance			0~+3%		
NOCT			45°C±2°C		
Operating Temperature			-40°C ~ 85°C		
*NOCT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s					
REAR SIDE POWER GAIN CHARACTERISTICS					
Rear Gain 5% - Pmax (Wp)	635.30	640.50	645.80	651.00	656.30
Rear Gain 5% - Efficiency (%)	23.50	23.70	23.90	24.10	24.30
Rear Gain 15% - Pmax (Wp)	695.80	701.50	707.30	713.00	718.80
Rear Gain 15% - Efficiency (%)	25.80	26.00	26.20	26.40	26.60
Rear Gain 25% - Pmax (Wp)	756.30	762.50	768.80	775.00	781.30
Rear Gain 25% - Efficiency (%)	28.00	28.20	28.50	28.70	28.90
Additional gain from the rear side vs. front-side power at STC depends on mounting (structure, height, tilt angle etc.) and ground albedo.					

MECHANICAL CHARACTERISTICS	
Number of Cells: 132 pcs	Type of Frame: Anodized Aluminum Alloy
Size of Cell (mm): 210×91	Size of Module (mm): 2382×1134×35/30
Type of Cell: N-TOPCon Mono	Weight (kg): 33.5
Thickness of Glass (mm): 2.0	Cables/Connectors: 4.0mm², MC4 compatible
Junction Box: IP68, 1500V DC, 3 Diodes	Length of Cable: +300mm/-200mm (connector included), length can be customized

PACKAGING CONFIGURATION		
	35mm frame	30mm frame
Height of Modules (mm)	35	30
Number of Modules Per Pallet	31	36
Packaging Box Dimensions (l×w×h) (mm)	2485×1120×1260	1260×1120×2595
Box Gross Weight (kg)	1080	1250
Number of Modules Per 40ft (HQ) Container	496	720
Number of Pallets Per 40ft (HQ) Container	16	10

15-year product warranty / 30-year linear power warranty (first-year degradation 1.0%, annual degradation 0.40%, 87.4% power at year 30)

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.
Specifications included in this datasheet are subject to change without notice.

KILOVANT

MONOCRYSTALLINE PERC SOLAR MODULE

KV-600W-182M/156 | 570-600Wp

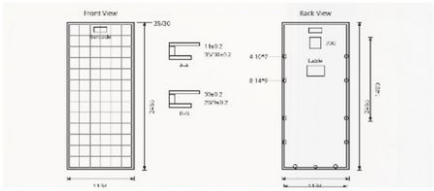
570-600Wp
Power Output

156-Cell
Monocrystalline PERC

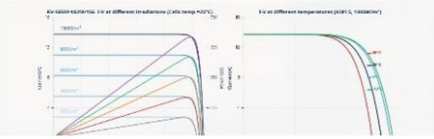
21.46%
Max Module Efficiency

1500V DC
Max System Voltage

2465×1134×35mm
Dimensions



DIMENSIONS OF PV MODULE (Unit: mm)



I-V CHARACTERISTICS (KV-585)



Higher Power Output

Advanced Production Technology

Multi Busbar Technology

PID Resistance

Low-Light Performance

Enhanced Mechanical Load

Extreme Environment Durability

EL Full Inspection

DATASHEET

Model Number	KV-570W 182M/156	KV-575W 182M/156	KV-580W 182M/156	KV-585W 182M/156	KV-590W 182M/156	KV-595W 182M/156	KV-600W 182M/156
ELECTRICAL DATA (STC)							
Rated Power in Watts - Pmax (Wp)	570	575	580	585	590	595	600
Open Circuit Voltage - Voc (V)	53.25	53.50	53.75	54.00	54.20	54.40	54.60
Short Circuit Current - Isc (A)	13.58	13.63	13.68	13.73	13.80	13.88	13.96
Max. Power Voltage - Vmpp (V)	44.50	44.70	44.90	45.15	45.30	45.45	45.60
Max. Power Current - Impp (A)	12.82	12.87	12.92	12.97	13.03	13.10	13.17
Module Efficiency (%)	20.39	20.57	20.75	20.93	21.11	21.29	21.46
STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM 1.5.							
MECHANICAL DATA							
Solar Cells	Monocrystalline						
Cell Size	182mm × 91mm						
Cell Configuration	156 cells (6×13 + 6×13)						
Module Dimensions	2465×1134×35/30mm						
Weight	30kg						
Glass	High Transmission, Low Iron, Tempered ARC Glass 3.2mm						
Back Sheet	White						
Frame	Anodized Aluminium Alloy type 6005 T6, Silver Color						
J-box	IP68, 1500V DC, 3 Diodes						
Cable	4.0mm², (+) 300mm, (-) 200mm (Connector Included), Length can be customized						
Connector	MC4-compatible						
TEMPERATURE & MAXIMUM RATINGS							
Nominal Operating Cell Temperature (NOCT)	44°C ± 2°C						
Temperature Coefficient of Voc	-0.27%/°C						
Temperature Coefficient of Isc	0.04%/°C						
Temperature Coefficient of Pmax	-0.36%/°C						
Operational Temperature	-40°C ~ +85°C						
Max. System Voltage	1500V DC						
Max. Series Fuse Rating	25A						
CERTIFICATIONS							
IEC	IEC61215 / IEC61730 / IEC61701 / IEC62716						
ISO / Safety	ISO 9001 / ISO 14001 / ISO 14064 / OHSAS 18001						
PACKAGING CONFIGURATION							

	35mm frame	30mm frame
Height of Modules (mm)	35	30
Number of Modules Per Pallet	31	36
Packaging Box Dimensions (l×w×h) (mm)	2485×1120×1260	2485×1120×1260
Box Gross Weight (kg)	960	1110
Number of Modules Per 40ft (HQ) Container	496	576
Number of Pallets Per 40ft (HQ) Container	16	16

15-year product warranty / 25-year linear power warranty (first-year degradation 2.0%, annual degradation 0.55%, 84.8% power at year 25)

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.
Specifications included in this datasheet are subject to change without notice.

KILOVANT

N-TOPCon BIFACIAL SOLAR MODULE

KV-S500 | KV-500W-182M/120TB | 495-500Wp

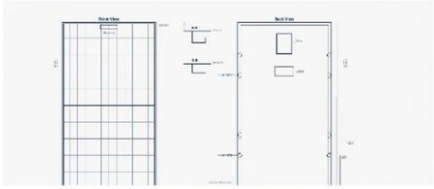
495-500Wp
Power Output

120-Cell
N-TOPCon Bifacial

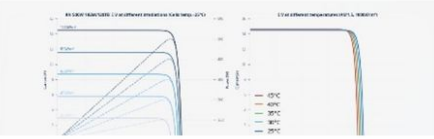
22.09%
Max Module Efficiency

1500V DC
Max System Voltage

1996×1134×35mm
Dimensions



DIMENSIONS OF PV MODULE (Unit: mm)



I-V CHARACTERISTICS (KV-500)

N-TOPCon Cell Technology

Bifacial Power Generation

22.09% Module Efficiency

1500V System Voltage

IP68 Junction Box

30-Year Linear Power Warranty

DATASHEET

Model Number	KV-495W 182M/120TB		KV-500W 182M/120TB		
ELECTRICAL CHARACTERISTICS (STC)					
Rated Power in Watts - Pmax (Wp)	495		500		
Open Circuit Voltage - Voc (V)	43.52		43.65		
Short Circuit Current - Isc (A)	14.37		14.47		
Max. Power Voltage - Vmpp (V)	36.76		36.88		
Max. Power Current - Impp (A)	13.46		13.56		
Module Efficiency (%)	21.86		22.09		
Maximum System Voltage	1500V DC				
Fuse Rating (A)	30				
Temperature Coefficient of Pmax	-0.29%/°C				
Temperature Coefficient of Isc	0.045%/°C				
Temperature Coefficient of Voc	-0.25%/°C				
Refer. Bifacial Factor	80±5%				
*STC: Irradiance 1000W/m², module temperature 25°C, AM=1.5					
WORKING CHARACTERISTICS (NOCT)					
Power Class (NOCT)	421W	425W	429W	432W	436W
Rated Power in Watts - Pmax (Wp)	421	425	429	432	436
Open Circuit Voltage - Voc (V)	48.13	48.32	48.51	48.70	48.89
Short Circuit Current - Isc (A)	11.41	11.46	11.50	11.55	11.60
Max. Power Voltage - Vmpp (V)	39.39	39.52	39.65	39.78	39.87
Max. Power Current - Impp (A)	10.69	10.75	10.81	10.87	10.94
Power Tolerance	0~+3%				
NOCT	45°C±2°C				
Operating Temperature	-40°C~85°C				
*NOCT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s					
MECHANICAL CHARACTERISTICS					
Number of Cells: 120 pcs	Type of Frame: Anodized Aluminum Alloy				
Size of Cell (mm): 182×91	Size of Module (mm): 1996×1134×35/30				
Type of Cell: N-TOPCon Mono	Weight (kg): 28				
Thickness of Glass (mm): 2.0	Cables/Connectors: 4.0mm², MC4 compatible				
Junction Box: IP68, 1500V DC, 3 Diodes	Length of Cable: +300mm/-200mm (connector included), length can be customized				
PACKAGING CONFIGURATION					
	35mm frame		30mm frame		
Height of Modules (mm)	35		30		
Number of Modules Per Pallet	31		36		
Packaging Box Dimensions (l×w×h) (mm)	2300×1120×1260		2300×1120×1260		
Box Gross Weight (kg)	1084		1210		
Number of Modules Per 40ft (HQ) Container	620		720		
Number of Pallets Per 40ft (HQ) Container	20		20		
15-year product warranty / 30-year linear power warranty (first-year degradation 1.0%, annual degradation 0.40%, 87.4% power at year 30)					

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.
Specifications included in this datasheet are subject to change without notice.

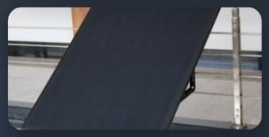
KILOVANT

BALCONY PV SYSTEM KITS

Plug-and-Play | 500W / 800W / 1600W / 2500W

Plug-and-play solar kits for balconies, gardens, caravans, small rooftops and other compact spaces. No professional tools or complex wiring: one person installs a kit in about 2 hours and plugs it into a household socket. Pure-black modules, a micro inverter and app monitoring come in one box, with optional battery storage.





BALCONY



CARAVAN / RV



CAMPING



YACHT

Plug & Play

2-Hour Install

App Monitoring

Pure Black Design

2–6 Year Payback

Long Warranty

DATASHEET

Kit	500W	800W	1600W	2500W
System				
Rated AC Output	500W	800W	1600W	2500W
PV Modules	2 pcs	4 pcs	8 pcs	12 pcs
Module Model	LPM250ME(BK) · 250Wp, pure black			
PV Array Power	500Wp	1000Wp	2000Wp	3000Wp
Micro Inverter	ESL500M	ESL800Mi	ESL1600M	ESL2500M
Number of MPPTs	1	2	4	6
CEC Efficiency	>96.5%	>95.5%	>95.5%	>96.7%
Output Voltage	220/230/240V	230V	230V	220/230/240V
Kit Contents				
Mounting Bracket	2 sets	4 sets	8 sets	12 sets
MC4 Extension 5m	2 sets	4 sets	8 sets	12 sets
AC Grid Cable 5m	1mm²	1mm²	1.5mm²	1.5mm²
Plug Type	EU / UK / AU (customizable)			
Manual · Accessories	1 operation manual · 2 accessory kits + tools			
Packaging	1 box	1 box	2 boxes	2 boxes
Optional Storage				
Solar Hub EMS	ESH1600 · 1600W, 2 MPPT, app control			
Power Box Battery	ESL1024 · 1024Wh LiFePO4, up to 6 units / 6144Wh			
Warranty & Compliance				
Warranty	Modules 10 yrs · Micro inverter 10 yrs · Hub 10 yrs · Battery 5 yrs			
Certifications	CE · UKCA · FCC · RoHS			

** All specifications are subject to change without notice.*
** Values measured under standard test conditions.*

KILOVANT

BALCONY KIT CONTENTS & INSTALLATION

What's in the box | 6-step setup



PV Module
LPM250ME(BK) 250Wp



Mounting Bracket
Stainless steel + aluminium



Micro Inverter
ESL500M / 800Mi / 1600M / 2500M



MC4 Extension Cable
5m, 2.5mm²



AC Grid Cable
5m, EU / UK / AU plug



Operation Manual
× 1



Accessory Kits
× 2 + tools

OPTIONAL



Solar Hub EMS
ESH1600

OPTIONAL



Power Box Battery
ESL1024

INSTALLATION

1. Attach the connectors.
2. Install the brackets and panels.
3. Fix the bracket to the railing.
4. Connect the panels.
5. Connect the micro inverter to the panels.
6. Connect and power up.

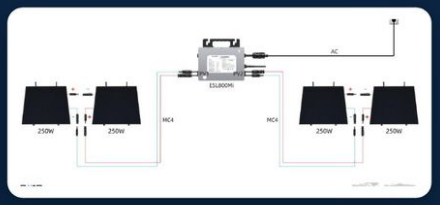
Follow the video tutorial and install the kit yourself in about 2 hours, without electrical knowledge: about as easy as assembling a large piece of furniture.

WIRING DIAGRAMS

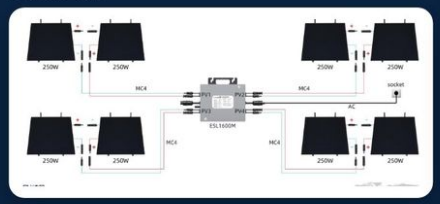
500W KIT



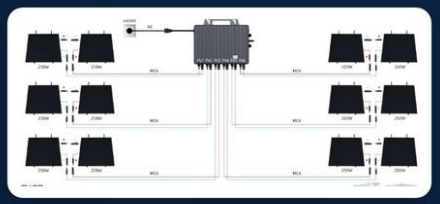
800W KIT



1600W KIT



2500W KIT



KEY BENEFITS

- **Easy to Transport**
  Light, integrated packaging cuts weight and freight cost.
- **Easy Installation**
  No wiring, plug-and-play: one person, about 2 hours.
- **Intelligent Application**
  App monitoring shows output and savings clearly.
- **Excellent Performance**
  High-end components, high power density at low voltage.
- **Attractive Appearance**
  Pure black and elegant; the compact body saves space.
- **Return on Investment**
  Payback in 2–6 years, depending on sun and feed-in tariff.
- **Multi-Scenario Use**
  Balconies, homes, fences, yachts and caravans.
- **High Reliability**
  10 years on modules, inverter and hub; 5 on batteries.

KILOVANT

182MM BC BALCONY SOLAR MODULE

LPM250ME(BK) | 250Wp Pure Black

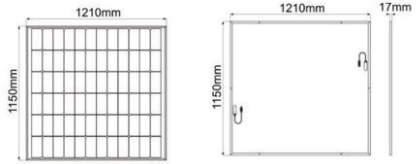
250Wp
Power Output

72-Cell (6×12)
182mm BC Series Monocrystalline

4.75kg
Lightweight Module

30°–50°
Adjustable Mounting Angle

1500V DC
Max System Voltage



DIMENSIONS OF PV MODULE (Unit: mm)



BC Cells | Pure Black | Hook-On Mount | 30°–50° Tilt | Only 4.75kg | 10-Year Warranty

DATASHEET

Model	LPM250ME(BK)
Electrical Characteristics (STC*)	
Maximum Power (Wp)	250W
Open Circuit Voltage (Voc)	26.7V
Short Circuit Current (Isc)	11.9A
Maximum Power Voltage (Vm)	22.35V
Maximum Power Current (Im)	11.2A
Maximum Series Fuse	20A
No. of Diodes	2
Maximum System Voltage	1500V DC
Mechanical Characteristics	
Number of Cells	72 (6×12), 182mm BC series
Module Size	1150 × 1210 × 17mm
Cable Type and Length	4mm², 500mm
Module Weight (GW)	4.75kg
Warranty	10 years
Mounting & Cables	
Mounting Bracket	Stainless steel + aluminium, hook-on, 2kg/set
Tilt Angle	30° / 35° / 40° / 45° / 50°, set by hole position
MC4 Extension Cable	5m, 2.5mm², self-locking male & female connectors
AC Grid-Tie Cable	5m, oxygen-free copper, EU / UK / AU plug

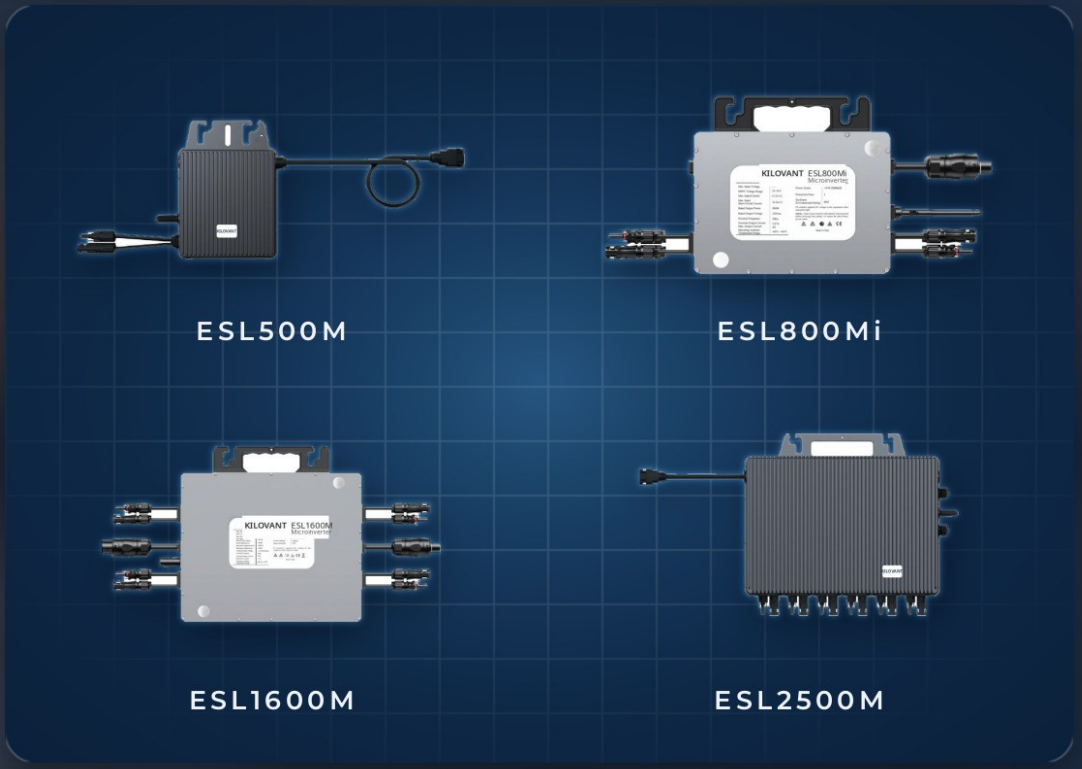
** STC: AM1.5, irradiance 1000W/m², module temperature 25°C.*
Brackets are light, strong and corrosion resistant; cables are UV, temperature and ageing resistant with a flame-retardant jacket, for long-term outdoor use.
Specifications are subject to change without notice.

KILOVANT

BALCONY MICRO INVERTER SERIES

ESL Series | 500W / 800W / 1600W / 2500W

Wide compatibility, excellent low-light performance and flexible system design for homes and small commercial sites. Built-in Wi-Fi gives real-time monitoring, fault detection and power adjustment from 5% to 100%, and the IP67 enclosure runs reliably in harsh weather.



Plug & Play · Max 60V DC · IP67 Rated · Wi-Fi Monitoring · Up to 97% Peak · 10-Year Warranty

DATASHEET

Model	ESL500M	ESL800Mi	ESL1600M	ESL2500M
Input (DC)				
Recommended PV Power	300–600W	280–550W ×2	280–550W ×4	400–700W ×6
Start-up Voltage	22V	20V	28V	22V
MPPT Voltage Range	16–60V	25–55V	28–55V	16–60V
Max. Input Voltage	60V			
Max. Input Current	14A	13.5A ×2	13A ×4	18A ×6
Max. DC Short Circuit	20A	16.5A ×2	19A ×4	25A ×6
Number of MPPTs	1	2	4	6
Output (AC)				
Rated Output Power	500W	800W	1600W	2500W
Nominal Output Voltage	220/230/240V L/N/PE	230V	230V	220/230/240V L/N/PE
Extended Voltage Range	184–253V			
Nominal Output Current	2.5A	3.47A	7A	12.5A
Frequency	50Hz / 60Hz			
Power Factor	>0.99 (default)			
THD	<3%			
Efficiency				
Peak Efficiency	96.70%	96.00%	96.00%	97.00%
CEC Efficiency	96.50%	95.50%	95.50%	96.70%
Static MPPT Efficiency	99.90%	99.50%	99.50%	99.90%
Night Power Consumption	<50mW			
General				
Ambient Temperature	-40°C ~ +65°C			
Dimensions (W×H×D) mm	164×225×30	260×225×32	312×301×43	380×313×49
Weight	1.75kg	2.9kg	7kg	7.5kg
Enclosure · Cooling	IP67 · Natural convection, no fans			
Isolation	High-frequency isolation			
Communication	Wi-Fi (Bluetooth), 2× RS485 opt.	Wi-Fi	Wi-Fi	Wi-Fi (Bluetooth), 2× RS485 opt.
Monitoring	TSUN SMART	Solarman	Solarman	TSUN SMART
Warranty	10 years standard · 25-year design life			

Certifications: EN/IEC 62109-1/-2, ETSI EN 301 489-1/-17, EN IEC 61000-6, IEC 62920, ETSI EN 300 328, EN IEC 62311 (ESL500M, ESL2500M; ESL2500M also EN 50549-10); IEC 62109-1/-2, IEC 61000-6, VDE 4105, VRF2019, NEN-EN 50549-1, PN-EN 50549-1 (ESL800Mi, ESL1600M).

Specifications are subject to change without notice.

KILOVANT

BALCONY ENERGY STORAGE

Solar Hub EMS ESH1600 | Power Box ESL1024

Optional storage for every balcony kit. The Solar Hub EMS is the system's brain: it sends solar power to the home or to the Power Box as needed, and the app lets you decide when to store and when to use it. Stack up to six 1024Wh LiFePO4 Power Boxes for 6144Wh, enough to cover a household's daily use.



Intelligent EMS · 98% Max Efficiency · IP65 Protection · Smart App Control · Up to 6144Wh · LiFePO4, 6000 Cycles

DATASHEET

Solar Hub EMS	ESH1600
MPPT Number	2
Start-up Input Voltage	18V
Max. Input Power	800W ×2
Max. Input Voltage	60V
Max. Continuous DC Output	800W ×2
Max. PV Input Current	25A
Max. Efficiency	98%
Input Voltage PV1 / PV2	12–60V
Output Voltage DC1 / DC2	18–55V
Output Current DC1 / DC2	28A max
Communication	Wi-Fi / Bluetooth
Dimensions (W×D×H)	320 × 200 × 55mm
Weight	3.2kg
Protection · Warranty	IP65 · 10 years
Standards	2015/863/EU (RoHS); EN 62509:2011; ETSI EN 301 489-17; ETSI EN 300 328; ETSI EN 300 440

Power Box Battery	ESL1024
Nominal Capacity	1024Wh
Nominal Voltage	51.2V
Working Voltage Range	40–58.4V
Battery Type	LiFePO4 (A+ grade cells)
Max. Units in Parallel	6 (6144Wh)
Cycle Life	6000 cycles
Communication	CAN / RS-485
Operating Temperature	-20°C ~ 60°C
Dimensions (W×D×H)	320 × 200 × 196mm
Weight	9.3kg
Protection · Cooling	IP65 · Natural cooling, metal shell
Warranty	5 years
Standards	2015/863/EU (RoHS); EN IEC 62368-1:2020+A11:2020; EMC EN IEC 61000-3-2:2019

On-grid, off-grid and outdoor use. Specifications are subject to change without notice.