

MONOCRYSTALLINE PERC SOLAR MODULE KV-S600

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



- 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)							