

KILOVANT

# OUTDOOR SOLAR ENERGY STORAGE SYSTEM HVCI

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.

www.kilovantsolar.com

sales@kilovantsolar.com