

Proton twin series

Hybrid On & Off Grid Energy Storage Solar Inverter

4/6KW



Max PV input current 27A
 Designed with 27A PV input current compatible to the market trend of increased Imp of solar panel

Easy access
 Two outputs for smart load management
 The second output can be scheduled on& off based on setting point of battery transfer to utility

Battery
 Battery equalization function extend lifecycle
 Reserved communication port (RS485,CAN) for BMS

Protect
 Built-in anti-dust kit for harsh environment
 AC overcurrent, AC overvoltage, over temperature protection

On-Grid and Off-Grid
 REVO HM series is suitable for on-grid and off-grid applications.

Interface
 Global cloud platform mobile APP anytime and anywhere open APP, support power internet applications

ENERGY STORAGE INVERTER

| Technical Specification | Proton twin series | |
|---------------------------------------|---|--------------|
| Rated Power | 4000VA/4000W | 6000VA/6000W |
| AC INPUT | | |
| AC Voltage | 230VAC | |
| Voltage Range | 170-280VAC(For Personal Computers);90-280 VAC (For Home Appliances) | |
| Frequency Range | 50Hz/60 Hz (Auto sensing) | |
| AC OUTPUT | | |
| Surge power | 8000VA | 12000VA |
| Voltage regulation(Battery Mode) | 230VAC±5% | |
| Rated frequency | 50/60Hz | |
| Efficiency(Peak) | up to 93.5% | |
| Transfer Time | 10ms (For Personal Computers);20ms (For Home Appliances); | |
| SOLAR CHARGER & AC CHARGER | | |
| Maximum PV Array Open voltage(V) | 500VDC | |
| Maximum PV Array power | 5000W | 6000W |
| MPPT voltage range(V) | 60~450VDC | |
| Maximum input current | 27A | |
| MPPT tracker/strings | 1 | |
| Maximum solar charge current | 120A | |
| Maximum AC charge current | 100A | |
| Maximum charge current | 120A | |
| BATTERY | | |
| Battery voltage | 24VDC | 48VDC |
| Floating Charge voltage | 27VDC | 54VDC |
| Overcharge Protection | 33VDC | 63VDC |
| Battery type | Lithium /Lead-acid | |
| PROTECTION & FEATURE | | |
| AC overcurrent | Yes | |
| AC overvoltage | Yes | |
| Over temperature protection | Yes | |
| Smart load management | Yes | |
| On Grid | Yes | |
| Parallel Function | Yes (optional) | |
| GENERAL PARAMETER | | |
| Operation temperature | 0°C~ 50°C | |
| Relative humidity | 0~95%(non-condensing) | |
| Altitude | (> 2,000m Derating) | |
| Dimensions D x W x H (mm) | 434*311*126.5 | |
| Net Weight(KG) | 8.5 | 9 |
| DISPLAY AND COMMUNICATION | | |
| Display | Touch buttons | |
| Interface | Standard:RS485,RS232,CAN ; Optional: Wifi ,Bluetooth | |
| Safety standard | EN/IEC 62109-1,EN/IEC 62109-2 | |

