

PWH-1P6K

6kW Hybrid Off-grid Inverter



FEATURES

- Wide PV input voltage range.
- 500Voc high PV input voltage.
- Operate both on-grid and off-grid.
- Scalable by up to 6 unit in parallel.
- Timing battery charge and discharge.
- WiFi / GPRS remote monitoring.

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PV INPUT

Max. PV Array Power	8kWp
Max. PV Input Current	16A + 16A
Max. PV Input Voltage	500Vdc
Rated PV Input Voltage	380Vdc
Start-up Voltage	150Vdc
MPPT Voltage Range	120 - 450Vdc
No. of MPP Trackers / No. of Strings MPP Tracker	2 / 1+1

BATTERY INPUT

Battery voltage range	40 - 60 Vdc
Battery Type	Lead-acid / Lithium-ion
Max. Charging / Discharging Current	100A

AC INPUT/OUTPUT

Rated AC Power	6kW
Rated AC Voltage	220/230Vac
AC Voltage Range	170 - 280Vac
Rated AC Output Current	27A
Max. Bypass Current (grid to load)	40A
Grid Connected Form	Single Phase
Power Factor	0.8 leading to 0.8 lagging
Efficiency	94%

GENERAL DATA

Dimensions (W/H/D)	550/422/142mm
Weight	16 kg
Communication Interface	RS485/CAN
Monitoring Option	GPRS/WIFI (optional)
Operating Temperature Range	-10 - +50°C
Humidity Range	5% to 95% (Non-condensing)
IP Rating	IP 20
Warranty	5 Years