



INVERTER FOR OFF GRID SYSTEMS

Inverter SOLARACE PREMIUM+ 3K is a reliable solution signed by ACE Power Electronics that covers the needs of off-grid photovoltaic systems.

The Inverter has inputs for photovoltaic panels and batteries. It also contains a solar charger with MPPT technology that provides the maximum efficiency of produced energy from photovoltaics. All the electrical and electronic devices that operate in 230VAC/50Hz are powered through the inverters.

Off-grid system SOLARACE PREMIUM+ 3K is capable to cover the needs in terms of energy for buildings and installations.

- Wide PV input range, 30 ~ 400 VDC
- Built-in communication port for BMS
- Built-in feed-in grid function
- Maximum charging current 100A
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dust kit
- WiFi & APP Communication for remote monitoring

SOLARACE PREMIUM+ 3K



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YEAR
Warranty



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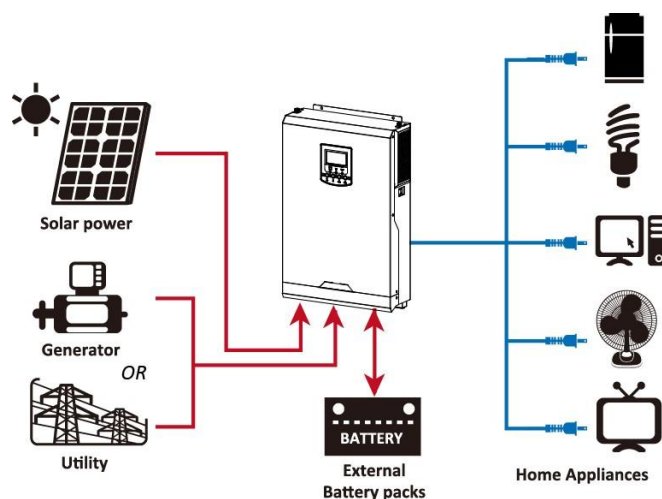


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Model	SOLARACE PREMIUM+ 3K
POWER	3000VA / 3000W
Nominal Voltage	230 VAC
Voltage Range	170-280 VAC (for personal computers)
	90-280 VAC (for home appliances)
Frequency Range	50 Hz/60 Hz (auto sensing)
OUTPUT	
AC Voltage Regulation	230 VAC±5% (battery mode)
Output Power	3000W with PV & battery
	2500W with battery only
Surge Power	6000VA
Efficiency	93%
Transfer time	10 ms (for personal computers)
	20 ms (for home appliances)
Waveform	Pure sinewave
BATTERY	
Nominal Voltage	24 VDC
Charge Voltage	27 VDC
Overvoltage Protection	32 VDC
SOLAR CHARGER AND AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Open Circuit Voltage	450 VDC
Maximum PV Input Current	13 A
Maximum PV Array Power	3000W
MPP Range @ Operating Voltage	30 ~ 400 VDC (Min. 60 VDC without battery connected)
Maximum Solar Charge Current	100 A
Maximum AC Charge Current	80 A
Maximum Charge Current	100 A
PHYSICAL	
Dimensions DxWxH (mm)	90 x 288 x 357
Weight (kg)	7,1
Communication interface	RS 232/RS485 (BMS)/WiFi
ENVIRONMENT	
Humidity	5% to 95% (non condensing)
Operating Temperature	-10°C - 50°C
Storage Temperature	-15°C - 60°C



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