



Optional Customization Types



Touchable
Screen



Customized
Logo



Multiple
Shell Colors



Customized
Capacity

» >Features

- Floor-Standing,Wall-Mounted:Versatile all-in-one unit,designed for easy placement against the wall,saving space while offering high capacity.
- Integrated System:Combines energy storage &inverter in a single,compact,&reliable unit.
- Real-Time Monitoring:LCD display for instant feedback on system performance and status.
- Quick Installation:Easy setup with plug-and-play functionality for residential use.
- Customizable Design:Options for customized logos,colors,and capacities to match specific requirements.

RPES-GMAIO2(6KW PLUS-100AH)

PV(DC Input)

Recommended Max. PV Input Power	6000W
MPPT Operating Voltage	500V
MPPT Operating Voltage Range	85V-450V (@75V start up)
Number of MPPT	1
Max. Number of Input Strings Per MPPT	1
Max. input Current Per MPPT	27A
Max. Short-Circuit Current Per MPPT	35A

Grid(AC Input)

Max output power	6000W
Max output current	50A
Rated grid voltage	220/230/240V (L, N, PE)
Rated grid frequency	50/60Hz
Acceptable range	170-280 Vac (for UPS) 90-280 Vac (for home application)

Battery Parameters (Bidirection)

Battery type	LiFePO4
Battery voltage range	40-60 Vdc
Battery capacity	5.12kWh
Rated Battery Voltage	48Vdc/51.2Vdc
Max. charge/discharge current	120A/130A
BMS Communication Mode	Software Version

Back-up Output (AC output)

Rated output power	6000W/6000VA
Rated output current	27.3A
Rated output voltage/Frequency	220/230/240V (L, N, PE) 50/60Hz
Surge power	12000VA5s
THDV (@linear load)	<3%

Efficiency

Peak Efficiency	98%
Max. MPPT Efficiency	99.90%
IP Rating	IP21

General Parameters

Operating temperature range	-10°C-50°C
Relative humidity range	10%~95%
Max. operating altitude	>2000m derating
Standby self-consumption	≤10W
Installation type	Wall installation type
Cooling mode	Fan Cooling
Dimension D*W*H	700x245x1330 (mm)
Weight	≈85kg