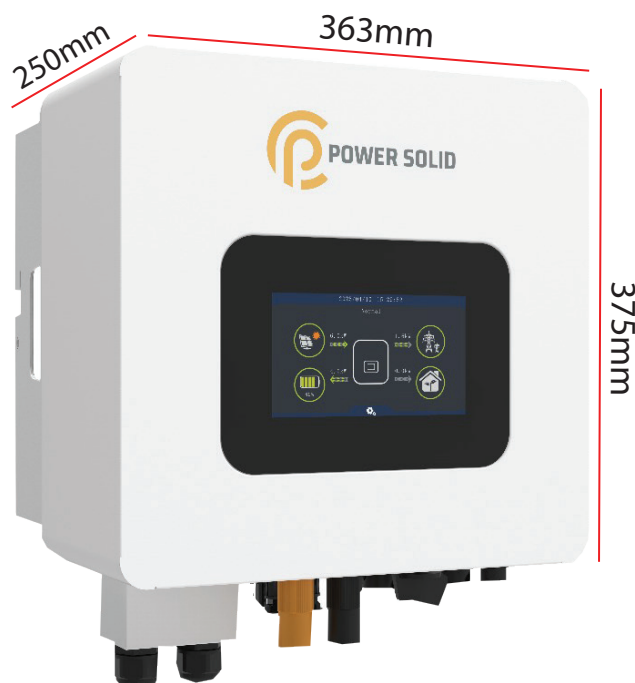


PSiH6KW#550VPVI

Features:

- >> Wide DC working voltage range, 2 MPPT design, adapt to multi-angle and multi-orientation PV panels
- >> Up to 98% conversion efficiency with lower losses
- >> IP65 Waterproof design, indoor & outdoor use
- >> One machine for multiple purposes: On-grid+ Energy storage+Off-grid
- >> Support the diesel generator and the grid access at the same time
- >> Up to 7 Intelligent working modes, support remote monitoring on APP/Web
- >> Support for lead-acid, lithium batteries, but also to specify the brand of battery adaptation communication
- >> Colorful touch LCD (4.3/7 inch optional)



Technical Specifications

Technical Data	PSiH6KW#550VPVI
PV String Input Data	
Max. PV access power	12kW
Max. PV input power	9.6kW
Max. PV input voltage	550V
Nominal input voltage	360V
MPPT working voltage range	80V-500V
Number of independent MPPT/strings per MPPT	2/1
MPPT max. current	15 A/15A
Start-up voltage	100V
AC Output/Input Data (On-grid)	
Nominal apparent power	6kW
Max. apparent power	6.6kVA
Nominal voltage	220V/230V
Nominal frequency	50Hz/60Hz
Rated current	26A
Max. current	30A
Power factor	-0.8~+0.8 (adjustable)
THDi	<3%(Nominal Output)
Grid system pattern	L+N+PE
Max. AC current from utility grid	50A
Back-up Output Data (UPS)	
Nominal output power	6kW
Max. output apparent power	6.6kVA
Nominal output voltage	220V/230V
Nominal output frequency	50Hz/60Hz
Output THDV	<3%
Automatic switch time	<10ms
Battery Input Data	
Battery type	Li-ion/Lead-acid
Battery voltage range	40V~60V
Max. charging / discharging current	100A
Charging strategy for Li-ion battery	Self-adaption to BMS
Efficiency	
Max. MPPT efficiency	99.9%
Europe efficiency	97.5%
Max. battery to load efficiency	94%
Protection	
Anti islanding protection	Yes
Insulation impedance protection	Yes
RCD detection	Yes
PV reverse polarity protection	Yes
Output over voltage protection	Yes
Output over current protection	Yes
General Data	
Dimensions(L/W/H)in mm	375/250/363
Weight	20kg
Operation temperature range	-25°C 60°C
Heat dissipation mode	Natural
IP Class	IP 65
Maximum altitude	4000m
Self-Consumption night	<3W
Features	
LCD display	Yes
Communication interface	WiFi/4G/USB/CAN/RS485