

PSHi15KW3#60VPV

Features:

- > IP65 waterproof and dustproof makes the inverter available for various working conditions.
- > Built-in WiFi for mobile monitoring (App is available)
- > 150% unbalanced load support
- > Optional dual outputs for smart load management (check sales)
- > Built-in AC coupled function
- > User-adjustable charging current and voltage
- > Reserved communication port for BMS (RS485)
- > Parallel operation up to 6 units



Technical Specifications

MODEL	PSHi15KW3#60VPV
MAXIMUM PV INPUT POWER	16000W
RATED OUTPUT POWER	15000 W
MAXIMUM CHARGING POWER	15000 W
GRID-TIE OPERATION	
PV INPUT (DC)	
Nominal DC Voltage / Maximum DC Voltage	720 VDC /1000 VDC
Start-up Voltage / Initial Feeding Voltage	320 VDC / 350 VDC
MPP Voltage Range	350 VDC ~ 850 VDC
Number of MPP Trackers / Maximum Input Current	2 / A: 27A; B: 27A
Number of Strings Per MPP Tracker	A: 2, B: 2
GRID OUTPUT (AC)	
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)
Output Voltage Range	184 - 265VAC per phase
Nominal Output Current	21.7A per phase
Power Factor	0.9 lag ~ 0.9 lead
EFFICIENCY	
Maximum Conversion Efficiency (DC/AC)	>96%
European Efficiency@ Nominal	>95%
OFF-GRID OPERATION	
AC INPUT	
AC Start-up Voltage/Auto Restart Voltage	120 – 140 VAC / 180 VAC
Acceptable Input Voltage Range	170 - 290 VAC per phase
Maximum AC Input Current	40 A
PV INPUT (DC)	
Maximum DC Power	16000W
Maximum DC Voltage	1000 VDC
MPP Voltage Range	350 VDC ~ 850 VDC
Number of MPP Trackers/Maximum Input Current	2 / A: 37.65A; B: 18.6A
Number of Strings Per MPP Tracker	A: 2, B: 2
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)
Output Waveform	Pure Sinewave
Efficiency (DC to AC)	91%
HYBRID OPERATION	
PV INPUT (DC)	
Maximum DC Voltage	1000VDC
Start-up Voltage / Initial Feeding Voltage	320 VDC / 350 VDC
MPP Voltage Range	350 VDC ~ 850 VDC
Number of MPP Trackers/Maximum Input Current	2 / A: 27A; B: 27A
Number of Strings Per MPP Tracker	A: 2, B: 2
GRID OUTPUT (AC)	
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)
Output Voltage Range	184 - 265 Vaper phase
Nominal Output Current	21.7 Per Phase
AC INPUT	
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC/ 180 VAC
Acceptable Input Voltage Range	170 - 290 VAC per phase
Maximum AC Input Current	40 A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)
Efficiency (DC to AC)	91%
BATTERY & CHARGER	
Nominal DC Voltage	40 ~ 62 VDC
Maximum Charging Current	300A
GENERAL	
PHYSICAL	
Dimension, D x W x H (mm)	255 x 660 x 750
Net Weight (kgs)	73
INTERFACE	
Intelligent Slot	RS-232, RS-485, USB, CAN and WIFI Optional SNMP and Modbus cards
ENVIRONMENT	
Humidity	0 ~ 100% RH (Non-Condensing)
Operating Temperature	-25 to 60°C, > 45°C power derating
Altitude	0 ~ 1000 m**