POWER SOLID

THE CROWN OF POWER OF POWER SOLUTION

PSiO6000W#600VPVK

Features:

High efficiency

>> High-efficiency inverter topology ensures annual power generation

>> Advanced control algorithms and high adaptation ability to the grid, improving the stability of power generation system

Safe and reliable

>> IP65 for outdoor application

>> Integrated AC/DC full lightning protection

>> Aluminum alloy die-casting integrated chassis, ensure 25 years full life circle running

Intelligent Managment

>> Intelligent cloud platform monitoring, realizing one- key APP real-time monitoring

>> Support RS485, GPRS, WIFI and other communication methods

Green Saving

>> Small size, easy to install and use

>> Natural cooling, ensuring low environmental noise

>> Super-wide operating temperature range, adapt to extremely cold, high temperature areas

420mm

125mm

360mm

Technical Specification

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Model	PSiO6000W#600VPVK
DC Input	
Max. PV input voltage	600Vdc
Rated input voltage	360Vdc
Max. PV input current	22A (2×11A)
No. of MPPTs	2
No. of PV strings per MPPT	1/1
MPPT voltage range	100Vdc~550Vdc
Starting voltage	120Vdc
AC Output	
Rated AC output power	6.0kW
Max. output power	6.0kW
Rated AC output voltage	220V/230Vac
Rated output current	26.0A
Max. output current	26.0 A
Rated grid frequency	50/60Hz
Grid frequency range	45~55Hz/55~65Hz
Power factor	>0.99 full load
Adjustable power factor	0.8(leading)~0.8(lagging)
THDI	<3% (nominal power)
Efficiency	
Max. efficiency	98.30%
European efficiency	97.90%
Protection	
Anti-islanding	Yes
DC reversed connection	Yes
AC short circuit protection	Yes
Temperature protection	Yes
Surge protection	Yes
PV fault detect	Yes
DC switch	Optional
General	
Dimensions (W×H×D)	360×420×125mm
Weight	12.6kg
IP grade	IP65
Noise level	≤25dB
Self-consumption at night	<1W
Cooling type	Natural cooling
Altitude	4000m (>2000m derating)
Operating temperature	-40ºC~60ºC (>45ºC derating)
Operating humidity	0~100%
Display	LCD+LED
Communication	RS485/WIFI (optional)/GPRS (optional)/DRM (Australia)
DC terminal	H4 Terminal
AC terminal	Plug and play connector
Installation method	Wall-mounted