

## PSiO125000W3#1100VK

### Features:

#### Efficient and flexible

- >> Advanced three-level technology max. efficiency 98.8%
- >> 9-12 MPPTs design, compatible with bifacial PV panel
- >> Anti-PID and PID recovery function

#### Safe and reliable

- >> IP66 and C5 anti-corrosion grade, intelligent fan with IP68 protection
- >> Redundant power supply by AC and DC
- >> Built-in AC / DC SPD protection

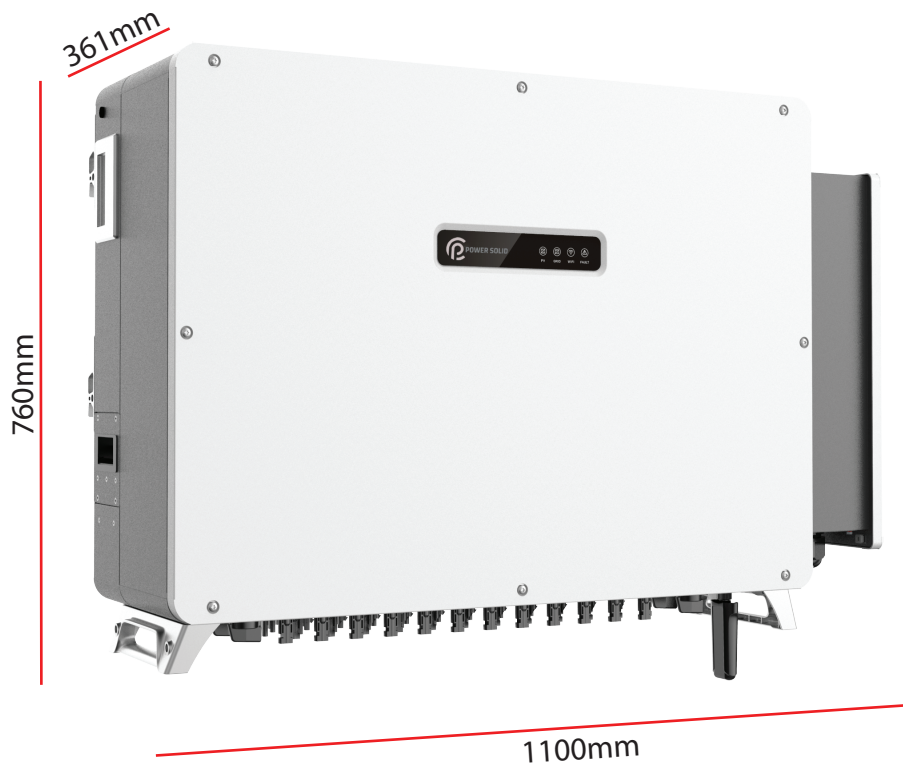


### Intelligent Managment

- >> Intelligent I-V and fault wave recording, quick failure analysis
- >> Smart online upgrade, easy for system maintenance
- >> Capacitor detection and life prediction reduce the failure risk

### System Optimization

- >> DC 2 in 1 connection enabled and compatible with Al AC cables
- >> PLC communication optional, save cable investment
- >> Night SVG and quick response



## Technical Specifications

Model	PSiO125000W3#1100VK
<b>DC Input</b>	
Max. PV input voltage	1100Vdc
Max. PV input current	270A/ 360A (30A×9/12)
No. of MPPTs	9/12
No. of PV strings per MPPT	2
MPPT voltage range	200Vdc~1000Vdc
Starting voltage	250Vdc
MPPT Efficiency	99.90%
<b>AC Output</b>	
Rated AC output power	125kW
Max. output power	125kVA
Rated AC output voltage	400Vac
Rated output current	180.4A Per Phase
Max. output current	180.4A Per Phase
Rated grid frequency	50/60Hz
Grid frequency range	45~55Hz/55~65Hz
Power factor	>0.99 (rated power)
Adjustable power factor	+0.8~-0.8
THDI	<3% (rated power)
<b>Efficiency</b>	
Max. efficiency	98.80%
European efficiency	98.40%
<b>Protection</b>	
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
<b>General</b>	
Dimensions (W×H×D)	1100×760×361mm
Weight	95kg
IP grade	IP66
Self-consumption at night	<2W
Cooling type	Intelligent forced air cooling
Altitude	5000m (>4000m derating)
Operating temperature	-35~60°C
Relative humidity	0~100%
Display	LED+WIFI (APP)
Communication	RS485/WIFI (optional)/GRPS (optional)
DC terminal	Amphenol H4
AC terminal	OT/DT Terminal
Installation method	Wall-mounted