

PSi10KW#48VC

Features:

- >> Support different power inverters parallel connection
- >> 20 PCS inverters parallel for off-grid operation
- >> Support on/off grid mode switch, EPS output
- >> Colorful 5-inch touch LCD, IP65 protection degree
- >> Support battery charging/discharging according to the time setting
- >> Independent AC input port for diesel generator
- >> Support storing energy from diesel generator
- >> ARC fault detection optional



Technical Specifications

Model	PSi10KW#48VC
Battery Input Data	
Battery Type	Lead-acid or Li-ion
Battery Voltage Range (V)	40-60
Max. Charge Current (A)	210
Max. Discharge Current (A)	210
Charging Curve	3 Stages/Equalization
External Temperature Sensor	Optional
Charging Strategy for Li-Ion Battery	Self-Adaption to BMS
PV String Input Data	
Max. DC Input Power (W)	15,000
PV Input Voltage (V)	370(125-500)
MPPT Range (V)	150-425
Start-up Voltage (V)	120
PV Input Current (A)	26+26
Max. PV Isc (A)	34+34
No. of MPPT Trackers	2
No. of String Per MPPT Tracker	2+2
AC Output Data	
Rated AC Output Power and UPS Power (W)	10,000
Max. AC Output Power (W)	12,000
Peak Power(off grid)	1.8 times of rated power, 10s
AC Output Rated Current (A)	45.5/43.5
Max. AC Current (A)	50.0/47.8
Max. Continuous AC Passthrough (A)	60
Power Factor	0.8 leading to 0.8 lagging
Output Frequency and Voltage	50/60Hz,220/230Vac(single phase)
Grid Type	single phase
Current Harmonic Distortion	THD<3%(Linear load <1.5%)
Efficiency	
Max. Efficiency	97.90%
Euro Efficiency	96.90%
MPPT Efficiency	99.90%
Protection	
Integrated	PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection
PV ARC Fault Detection	Optional
Output Over Voltage Protection	DC Type II/AC Type III
General Data	
Operating Temperature Range(°C)	-45~60,> 45 Derating
Cooling	Smart cooling
Noise(dB)	≤45
Communication with BMS	CAN, RS485 34
Weight (kg)	34
Dimensions (mm)	514W× 749H×291D
Protection Degree	IP65
Installation Style	Wall-mounted