

Off Grid Hybrid Inverter



CE4880-EU-180-H
CE48100-EU-200-H

Product Features

- Pure sine wave AC output
- Power saving function
- Multiple safety protection
- Intelligent speed control fans
- Uninterrupted power supply
- High PV output voltage
- LCD screen and LED indicator lights
- Approved CE-LVD, CE-EMC certifications
- Grid power bypass and inverter output modes
- Support grid and PV activated lithium batteries
- Support lead-acid and lithium battery connections
- High load power to meet the needs of most households

Technical Data		
Model	CE4880-EU-180-H	CE48100-EU-200-H
AC Charge		
Battery Type	Lithium-ion/Lead-acid/User Define	
Max. AC Charge Current (A)	100	
Charge Voltage Range (Vdc)	40-60	
Short Circuit Protection	Circuit breaker and blown fuse	
Solar Charge		
Max. PV Open Circuit Voltage (Vdc)	500	
MPPT Voltage Range (Vdc)	120-425	
Number of PV MPPT Tracker	2	
Max. PV Input Power (W)	5500+5500	
Max. PV Input Current (A)	22+22	
Max. PV Charge Current (A)	180	
Max. Hybrid Charge Current (A)	180	
Charge Short Circuit Protection	Blown fuse	
Wiring Protection	Inverse wiring protection	
AC Input		
Rated Input Voltage (Voc)	230 (Single phase)	
Input Voltage Range (Voc)	170-280	
Frequency (Hz)	50/60	
Frequency Range (Hz)	47±0.3-55±0.3 (50)/57±0.3-65±0.3 (60)	
Overload/Short Circuit Protection	Breaker	
Efficiency	>95%	
Conversion Time (Bypass and Inverter)	10ms (Typical value)	
AC Reverse Protection	Yes	
Max. Bypass Overload Current (A)	63	
AC Output		
Output Voltage Waveform	Pure sine wave	
Rated Output Power (W)	8,000	
Power Factor	1	
Rated Output Voltage (Voc)	230 (Single phase)	
Output Voltage Error	±5%	
Output Frequency Range (Hz)	50±0.3 / 60±0.3	
Max. Efficiency	>92%	
Overload Protection	(102% < load <110%) ±10%: report error and turn off the output after 5 minutes; (110% < load < 125%) ± 10%: report error and turn off the output after 10 seconds; Load >125% ±10%: report error and turn off the output after 5 seconds;	
Peak Power (VA)	16,000	20,000
Loaded Motor Capacity (HP)	5	10
Output Short Circuit Protection	Breaker	
Bypass Breaker Specifications (A)	63	
Rated Battery Input Voltage (Vdc)	48 (Minimum starting voltage 44)	
Battery Voltage Range (Vdc)	40.0-60 ± 0.6 (Undervoltage alarm/shutdown voltage/overvoltage alarm/overvoltage recovery settable on LCD screen)	
General		
Certification	IEC62109, EN61000	
Operation Temperature Range (°C)	-15-55	
Storage Temperature Range (°C)	-25-60	
Humidity Range	5%-95% (Conformal coating protection)	
Noise (dB)	< 60	
Heat Dissipation	Forced air cooling, variable speed of fan	
Communication Interface	USB/RS485/dry node control	
Size (mm)	620L×445W×130D	
Weight (kg)	27	