

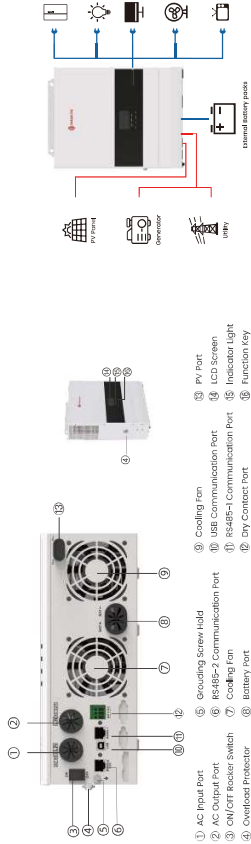
Off Grid Hybrid Inverter

CE4830-EU-60-H

CE4850-EU-80-H

Product Features

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



Technical Data

Model	CE4830-EU-60-H	CE4850-EU-80-H
AC Charge		
Battery Type	Lithium-Ion/Lead-acid/User Define	
Max. AC Charge Current (A)	60	
Charge Voltage Range (Vdc)	40-60	
Short Circuit Protection	Circuit breaker and blown fuse	
Circuit Breaker Specifications (A)	40	
Solar Charge		
Max. PV Open Circuit Voltage (Vdc)	500	
MPP1 Voltage Range (Vdc)	120-460	
Battery Voltage Range (Vdc)	40-60	
Max. PV Input Power (W)	4,400	
Max. PV Input Current (A)	18	
Max. PV Charge Current (A)	60	
Max. Hybrid Charge Current (A)	80	
Charge Short Circuit Protection	Blown fuse	
Wiring Protection	Inverse wiring protection	
AC Input		
Rated Input Voltage (Vac)	220/230	
Input Voltage Range (Vac)	UPS: (170-280) ±2%, API: (90-280) ±2%	
Frequency (Hz)	50/60 (Auto sensing)	
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)	40	
AC Output		
Output Voltage Waveform	Pure sine wave	
Rated Output Power (W)	3,000(2,600/2,700/2,850/3,000)	
Power Factor	1	
Rated Output Voltage (Vac)	230(200/208/220/240 settable)	
Output Voltage Error	±5%	
Output Frequency Range (Hz)	50±0.3/60±0.3	
Max. Efficiency	>92%	
Overload Protection	(102% × load <125%) ±10%: report error and turn off the output after 5 minutes (125% × load <150%) ±10%: report error and turn off the output after 10 seconds Load >150% ±10%: report error and turn off the output after 5 seconds	
Peak Power (VA)	6,000	10,000
Loaded Motor Capacity (HP)	2	4
Output Short Circuit Protection	Breaker	
Bypass Breaker Specifications (A)	40	
Rated Battery Input Voltage (Vdc)	48 (Min. starting voltage 44)	
Battery Voltage Range (Vdc)	40.0-60±0.6 (Undervoltage alarm/shutdown voltage/overvoltage alarm / overvoltage recovery settable on LCD screen)	
No Load Loss (W)	Non Energy-saving Mode: <50W, Energy-saving Mode: <25W	
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)	426L×322W×126D	
Weight (kg)	10.9	