

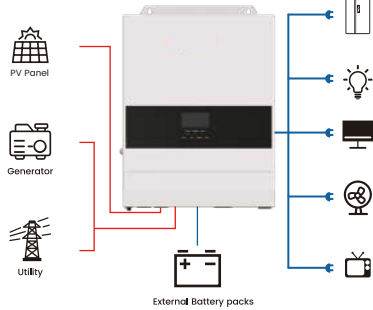
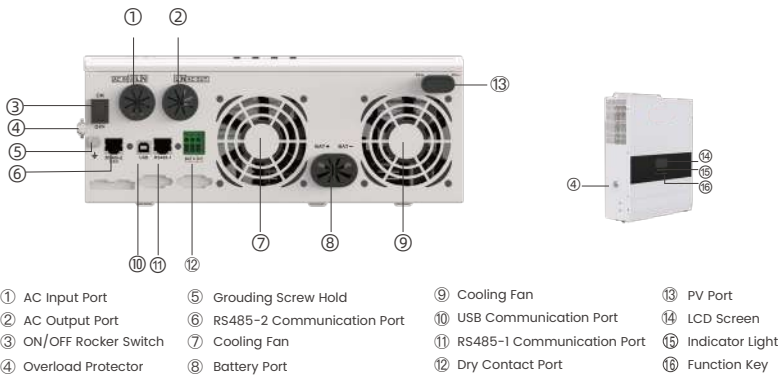
Off Grid Hybrid Inverter

CE4830-EU-60-H
CE4850-EU-80-H



Product Features

- Power saving function
- High PV input voltage
- Multiple safety protection
- Pure sine wave AC output
- Uninterrupted power supply
- Intelligent speed control fans
- 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



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		
MPPT Voltage Range (Vdc)	120~450		
Battery Voltage Range (Vdc)	40~60		
Max. PV Input Power (W)	4,400		5,200
Max. PV Input Current (A)	18		
Max. PV Charge Current (A)	60		80
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%, APL: (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)		5,000(4,350/4,500/4,750/5,000)
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		