

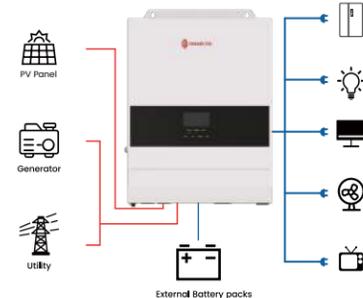
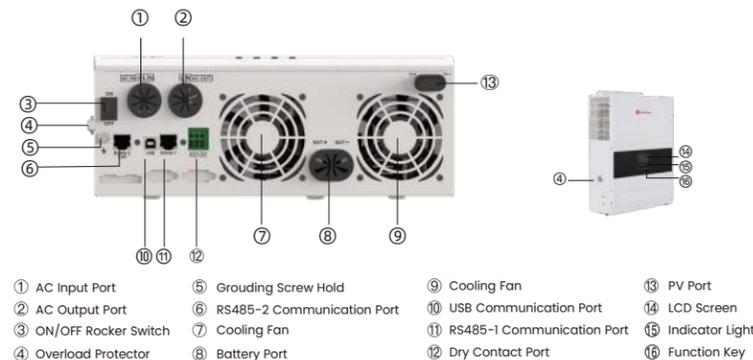
# Off Grid Hybrid Inverter



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
<b>AC Charge</b>		
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	
<b>Solar Charge</b>		
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	
<b>AC Input</b>		
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	
<b>AC Output</b>		
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	
<b>General</b>		
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	