

Off Grid Hybrid Inverter

CEP4850-EU-80-H



Product Features

- Power saving function
- High PV output 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
- Available for Max. 6 units parallel connection
- Grid power bypass and inverter output modes
- Support grid and PV activated lithium batteries
- Support lead-acid and lithium battery connections



Technical Data

Model		CEP4850-EU-80-H
AC Charge		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)		5500
Max. PV Input Current (A)		22
Max. PV Charge Current (A)		80
Max. Hybrid Charge Current (A)		80
Charge Short Circuit Protection		Blown fuse
Wiring Protection		Inverse wiring protection
AC Input		
Rated Input Voltage (Vdc)		220/230
Input Voltage Range (Vdc)		UPS: (170-280) $\pm 2\%$ APL: (90-280) $\pm 2\%$
Frequency (Hz)		50/60 (Auto sensing)
Frequency Range (Hz)		47 ± 0.3 -55 ± 0.3 (60)/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)		5,000(4,350/4,500/4,750/5,000)
Power Factor		1
Rated Output Voltage (Vdc)		230(200/208/220/240 settable)
Output Voltage Error		$\pm 5\%$
Output Frequency Range (Hz)		50 ± 0.3 /60 ± 0.3
Max. Efficiency		>92%
Overload Protection		(102% $\times$ load $\times 125\%$) $\pm 10\%$; report error and turn off the output after 5 minutes (125% $\times$ load $\times 150\%$) $\pm 10\%$; report error and turn off the output after 10 seconds Load $>150\%$ $\pm 10\%$; report error and turn off the output after 5 seconds
Loaded Motor Capacity (HP)		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)		40.0-50 ± 0.6 (Undervoltage alarm/shutdown voltage/overvoltage alarm / overvoltage recovery settable on LCD screen)
No Load Loss (W)		Non Energy-saving Mode: $\leq 50W$; Energy-saving Mode: $\leq 25W$
General		
Number of Parallel		1-6 PCS
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 $\times$ 322W $\times$ 124D
Weight (kg)		10.5