

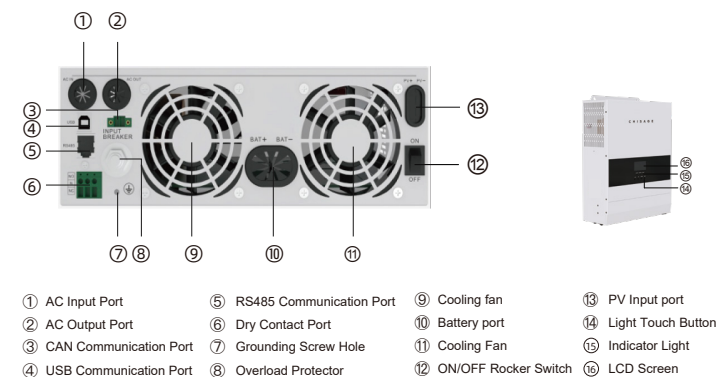
Off Grid Hybrid Inverter

CE2420-US-60-100
CE2430-US-60-100



Product Features

- Pure sine wave AC output
- Four charging modes
- Power saving function
- Support remote operation
- 360 °all-round protection
- Intelligent speed control fans
- Lithium battery activation design
- Battery charging requirement settings
- User-friendly communication module
- Support grid and PV activated lithium batteries
- Grid power bypass and inverter output modes
- Approved of CE/IEC 62109-1/UL 1741/CSA certifications



Technical Data

Model	CE2420-US-60-100	CE2430-US-60-100
AC Input		
Rated input voltage	110/120Vac	
Input voltage range	(90Vac-140Vac)±2%	
Frequency	50Hz/ 60Hz (Auto detection)	
Frequency Range	47±0.3Hz ~ 55±0.3Hz (50Hz)/57±0.3Hz ~ 65±0.3Hz (60Hz);	
Overload/short circuit protection	Circuit breaker	
Efficiency	>95%	
Conversion time (bypass and inverter)	10ms (typical)	
AC reverse protection	Available	
Maximum bypass overload current	40A	
AC Output		
Output voltage waveform	Pure sine wave	
Rated output power(VA)	2000	3000
Rated output power(W)	2000	3000
Power factor	1	
Rated output voltage (Vac)	120Vac	
Output voltage error	±5%	
Output frequency range (Hz)	50Hz ± 0.3Hz/60Hz ± 0.3Hz	
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	4000	6000
Loaded motor capacity	1HP	2HP
Output short circuit protection	Circuit breaker	
Bypass breaker specifications	40A	
Rated battery input voltage	24V (Minimum starting voltage 22V)	
Battery voltage range	20.0Vdc~33Vdc ± 0.6Vdc (Undervoltage alarm/shutdown voltage/overvoltage alarm /overvoltage recovery... settable on LCD screen)	
Power saving mode	Load ≤50W	
AC Charge		
Battery type	Lead acid or lithium battery	
Maximum charge current	40A	40A
Charge current error	± 5Adc	
Charge voltage range	20.0Vdc~33Vdc	
Shortcircuit protection	Circuit breaker and blown fuse	
Circuit breaker specifications	40A	
Overcharge protection	Alarm and turn off charging after 1 minute	
Solar Charge		
Maximum PV open circuit voltage	100Vdc	
PV operation voltage range	30-100Vdc	
MPPT voltage range	30-85Vdc	
Battery voltage range	20-33Vdc	
Maximum output power	1400W	
PV charging current range (can be set)	0-60A	
Charge short-circuit protection	Blown fuse	
Wiring protection	Reverse polarity protection	
Certified Specifications		
Certification	CE(IEC 62109-1)/CETL(UL 1741/CSA C22.2 NO.107.1)	
EMC	EN61000, C2	
Operation temperature range	-15°C to 55°C	
Storage temperature range	-25°C ~ 60°C	
Humidity range	5% to 95% (Conformal coating protection)	
Noise	≤60dB	
Heat dissipation	Forced air cooling, variable speed of fan	
Communication interface	USB/RS485(WiFi/GPRS)/Dry node control	
Size (L*W*D)	378mm*280mm*103mm	
Weight (kg)	6.8	