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CNS 1-6KW Inverter

CNS Pure Sine Wave Inverter Charger 1000W-6000W, LED/LCD digital display, 3times peak power, low frequency type with transformer, UPS function. It widely applied in wind generator, Solar power system, house, vehicle, ship, navigation and places where lack of city power, mobile electricity work and telecommunications device, launch Station.

Main Features:

1. LED/LCD digital display show voltage, load and battery info in real time.
2. Peak power is three times of rated power.
3. Can work with inductive load such as air conditioner, motor door and so on.
4. Pure sine wave output, available for sensitive load.
5. 4-step progressive charging, 7 battery type selector.
6. Fast and powerful charger with 35A and 75A/90A.
7. Accept generator's energy output.
8. High power factor 0.9, low power consumption.
9. Automatically transfer between battery and line modes.
10. Microprocessor control guarantees high reliability.
11. Bypass without battery connected.
12. Remote control function.
13. Protection against: Over load, over temperature, over charging, low battery
14. Reverse connection (optional by hard connector), Blackouts

Technical specifications for LW inverter 1-6kw:

MODEL	CNS-1000	CNS-1500	CNS-2000	CNS-3000	CNS-4000	CNS-5000	CNS-6000
Nominal Power	1000W	1500W	2000W	3000W	4000W	5000W	6000W
AC Input							
Phase & waveform	Single phase & Pure Sine Wave						
Voltage	110/120/130VAC or 220/230/240VAC						
Acceptable Voltage	95-126VAC or 194-253VAC±4%						
Low Line Disconnect	85VAC±4% or 184VAC±4%						
Low Line Re-connect	95VAC±4% or 194VAC±4%						

High Line Disconnect	136VAC±4% or 263VAC±4%						
High Line Re-connect	126VAC±4% or 253VAC±4%						
Frequency	50Hz:41-54Hz 60Hz:51-64Hz						
AC Output							
Phase & waveform	Single phase & Pure Sine Wave (bypass mode sync to input)						
Voltage	110/120/130VAC or 220/230/240VAC±10%rms (bypass mode sync to input)						
Frequency	50Hz±0.3Hz 60Hz±0.3Hz (bypass mode sync to input)						
Peak Power	3 times of rating power						
Short Circuit Protection	Yes, shutdown after 10ms						
Power Factor	0.9-1.0						
DC Input							
Battery Voltage	12VDC or 24VDC or 48VDC						
Minimum Start Voltage	10VDC or 20VDC or 40VDC						
Low Battery Alarm	10.5±0.3vdc or 21±0.6vdc or 42±1.2vdc						
Low DC input Shut-down	10±0.3vdc or 20±0.6vdc or 40±1.2vdc						
High DC input Alarm & Fault	16±0.3vdc or 32±0.6vdc or 64±1.2vdc						
High DC input Recovery	15.5±0.3vdc or 31±0.6vdc or 62±1.2vdc						
MAX Charger Current	20A/35A/ 50A/75A/90A(According to the Inverter model)						
System parameter							
Battery Mode Efficiency	>85%						
Line Mode Efficiency	>96%						
power saver	Load <=25W (Enabled on “P/S auto” setting of Remote control)						
Audible Alarm	Sounding when the heat sink’s tem is over 100℃ and shutdown after 30 seconds.						
Over Load Protection	110% <load<150%, beeps 0.5s every 1s, and Fault after 60s. Load>150%, beeps 0.5s every 1s, and Fault after 20s.						
Protections	low battery、over charging、over temp、over load						
Communications	RS-232/USB/SNMP(custom-made)						
Operating Environment	0-40℃,0-90%RH(non-condensing)						
Audible Noise	<60dB						
Net Weight(KG)	16kg	18kg	20kg	25kg	39kg	42kg	49kg
Dimension L X W X H	470 X223 X185mm				650 X223 X185mm		