

UPS FOR CCTV SYSTEMS

1000VA / 600W



The Pure Sine Wave Inverter is desirable long backup power solution for home and office appliances. It is not only an inverter but also contains a powerful intelligent charger. It provides pure sine wave power to all kinds of loads. And it can be used as UPS for computers as well.



Features

- DSP digital control technology
- Pure sine wave output
- Suitable for all kinds of loads, such as resistive, inductive and rectified loads and motors
- Use of pulse by pulse technology, improving load shock ability
- Charge current Max.60 A. Settable charge current and charge voltage on front panel
- Settable no-load shutdown and energy saving mode
- Short circuit, overload and low battery protection
- Intelligent long backup time up to 10 hrs (based on battery bank and loads)
- Compatible with generators, and matching of inverter and generator is settable
- Unique functions: optional built-in MPPT module enables the inverter to work as off-grid solar inverter, optional DC module enables the inverter to apply to communications, router, switch, mobile charging, DC fans and illumination



Rear Panel

- | | |
|--------------------|---------------------------|
| 1. Input | 6. AC Breaker |
| 2. Output | 7. Fan |
| 3. Battery Breaker | 8. DC Output (optional) |
| 4. Battery Input | 9. MPPT Module (optional) |
| 5. Fuse | |

Specifications

MODEL	AP2200C
Capacity	1000VA / 600W
INPUT	
Rated voltage	220 Vac
Voltage range	150 ~ 282 Vac
Rated frequency	50 Hz / 60 Hz (auto-sense & settable: 5% ~ 15%, default 15%),
Frequency	42.5 ~ 57.5 Hz for 50 Hz, 51 ~ 69 Hz for 60 Hz
Input voltage of generator	99 ~ 282 Vac for 220 Vac
Bypass voltage range	0 ~ 264 Vac for 220 Vac / 230 Vac / 240 Vac
OUTPUT	
Voltage	174 ~ 242 Vac (220 Vac)
Voltage regulation	± 5%
Frequency	50 Hz / 60 Hz ± 0.3
Waveform	Pure sine wave
Output power	600W
Efficiency	Max. 95% (mains mode); Max. 80% (inverter mode)
ECO mode	Settable, load < 3%, enter in 80 s
No-load shutdown	Settable, time can be set (1 ~ 99 min), load can be set (3% ~ 50%)
Transfer time	≤10 ms
THDV	<5% (linear load)
Inductive load	Yes
Motor load	Yes
Rectifier load	Yes
Overload	Mains mode: 110% for 120 s, 125% for 60 s, 150% for 10 s (switch to bypass) Inverter mode: 110% for 60 s; 125% for 10 s; 150% for 10 s (shut down)
BATTERIES	
DC voltage	12 Vdc
Inbuilt battery	12V/200Ah x 1
Charging current	20A
Recharge time	90% capacity restored in 15 hours
Equalizing charge voltage	Single battery 14.4 Vdc (default), 13.6 ~ 15 Vdc adjustable
Floating charge voltage	Single battery 13.7 Vdc (default), 13.2 ~ 14.6 Vdc adjustable
Charge mode	3 stage charge mode
DOD	Single battery 10.8 Vdc (default), 9.6 ~ 13 Vdc settable
EOD	Single battery 10.2 Vdc (default), 9.6 ~ 11.5 Vdc adjustable
Reverse warning	Buzzer
OTHERS	
Protections	Overload – short-circuit – overvoltage – undervoltage – overcharge – overtemperature – excessive low battery
Human-machine interface	LCD & BUZZER
Operating temperature	0°C ~ 40°C
Operating humidity	Relative humidity ≤ 93%
Dimensions (W x D x H)	295 x 550 x 430mm
Packaged dimensions (W x D x H)	300 x 570 x 450mm
Net weight(kg)	77.0
Gross weight(kg)	78.0

All specifications are subject to change without notice.