

Smart UPS



Features

- Pure sine wave output
- Output power factor 0.8
- DSP digital control
- Boost and buck AVR for voltage stabilization
- Auto sensing frequency
- Adjustable charging current and battery shutdown point
- Settable ECO mode and no-load shutdown
- Humanized alarm system
- Power-on self test
- Cold start
- Auto restart when mains power is restored
- Intelligent battery management
- Short circuit and overload protection
- Automatic charging in OFF mode
- USB & RJ45, AS400/SNMP (optional) communication port

Rear Panel

1. USB/RJ45
2. Output Sockets
3. EXT Battery (optional)
4. AC Breaker
5. Input
6. SNMP (optional)
7. Fan



Specifications

Capacity		500 VA / 300 W	1000 VA / 800 W	1500 VA / 1200 W	2000 VA / 1600 W	3000 VA / 2400 W
DC INPUT						
Rated voltage		12 V	24 V		36 V (S) 48 V (H)	48 V
DC input range (default)		10 ~ 15V	20 ~ 30 V		30 ~ 45 V(S) 40 ~ 60 V(H)	40 ~ 60 V
AC INPUT						
AC input range (bypass mode)		0 ~ 121 V / 132 V / 138 V / 144 Vac for 100 V / 110 V / 115 V / 120 Vac ± 10 Vac 0 ~ 242 V / 264 V / 276 V / 288 Vac for 200 V / 220 V / 230 V / 240 Vac ± 10 Vac				
AC input range (mains mode)		100 V: 70 ~ 130 Vac 110 V: 80 ~ 140 Vac 115 V: 85 ~ 145 Vac 120 V: 90 ~ 150 Vac 200 V: 145 ~ 260 Vac 220 V: 165 ~ 280 Vac 230 V: 175 ~ 290 Vac 240 V: 185 ~ 300 Vac				
Frequency input range		50 Hz / 60 Hz (auto-sense), 50 Hz / 60 Hz ± 5% ~ 15%				
Generator connection		Available (generator input power is settable)				
OUTPUT						
Inverter output range		100 V / 110 V / 115 V / 120 / 200 V / 220 V / 230 V / 240 Vac ± 5% (settable)				
AC output range (bypass mode)		0 ~ 121 V / 132 V / 138 V / 144 Vac for 100 V / 110 V / 115 V / 120 Vac ± 10 Vac 0 ~ 242 V / 264 V / 276 V / 288 Vac for 200 V / 220 V / 230 V / 240 Vac ± 10 Vac				
AC output range (mains mode)		100 V: 90 ~ 110 Vac 110 V: 99 ~ 121 Vac 115 V: 103 ~ 126 Vac 120 V: 108 ~ 132 Vac 200 V: 166 ~ 226 Vac 220 V: 188 ~ 245 Vac 230 V: 199 ~ 254 Vac 240 V: 210 ~ 264 Vac				
Output frequency		50 / 60 Hz ± 0.3 Hz (settable)				
Waveform		Pure sine wave				
Inverter efficiency		Max. 75%	Max. 80%		Max. 85%	
Energy saving mode		Settable (< 3% load) , enter in 80 s				
No-load shutdown		Settable (< 3% load), shut down in 80 s				
Transfer time		≤ 10 ms				
THDV (resistive load)		≤ 5%				
Protections		Overload, short circuit (inverter), battery low voltage, battery overcharge, overtemperature				
Overload time (mains mode)		120 s for 110%, 60 s for 125%, 10 s for 150% (transfer to bypass mode)				
Overload time (inverter mode)		60 s for 110%, 10 s for 125%, 5 s for 150% (Shut down directly)				
Mute		Automatic mute in 60 s or by manual				
BATTERIES						
Battery capacity (H: external expansion)		12 V x 1	12 V / 7 Ah x 2	12 V / 9 Ah x 2	12V/9Ahx3 (H: 12Vx4)	12 V / 9 Ah x 4
Charging current		Standard model (S): 1 A (default)				
		Long time model (H): 10 A (default); < 10 A, set step 1 A; ≥ 10 A, set step 5 A				
		Max. 10 A (H)	Max. 15 A (H)	/	Max. 20 A (H)	Max. 25 A (H)
Equalizing charge voltage		Single battery 14.1 Vdc (default), 13.6 ~ 15 Vdc adjustable				
Floating charge voltage		Single battery 13.5 Vdc (default), 13.2 ~ 14.6 Vdc adjustable				
Low voltage alarm point		Single battery 10.8 Vdc (default), 9.6 ~ 13 Vdc adjustable				
Low voltage shutdown point		Single battery 10.2 Vdc (default), 9.6 ~ 11.5 Vdc adjustable				
COMMUNICATIONS						
USB+RJ45		Supports Windows® 98 / 2000 / 2003 / XP / Vista / 2008 / 7 / 8 / 10				
SNMP (optional)		Power management from SNMP manager and web browser (standard with slot)				
OTHERS						
Operating temperature		5℃ ~ 40℃				
Operating humidity		Relative humidity ≤ 93%				
Noise level		≤ 50 dB (1m)				
Tower	Dimensions (W × D × H) (mm)	345 × 215 × 144 (S / H)			410 × 215 × 144 (S) 345 × 215 × 144 (H)	467 × 335.5 × 190 (S / H)
	Packaged dimensions (W × D × H) (mm)	427 × 316 × 236 (S / H)			492 × 316 × 236 (S) 427 × 316 × 236 (H)	592 × 462 × 320 (S / H)
	Net weight (kg)	7.0 (H)	12.2 (S) 11.6 (H)	14.2 (S)	18.5 (S) 17.8 (H)	28.1 (S) 28.0 (H)
	Gross weight (kg)	8.0 (H)	13.2 (S) 12.6 (H)	15.2 (S)	19.8 (S) 18.8 (H)	30.2 (S) 30.0 (H)
Rack mount	Dimensions (W × D × H) (mm)	/	440 × 338 × 88 (S)		440 × 410 × 132 (S)	
	Packaged dimensions (W × D × H) (mm)	/	611 × 448 × 208 (S)		611 × 505 × 235 (S)	
	Net weight (kg)	/	14.6 (S)	17.2 (S)	21.3 (S)	26.7 (S)
	Gross weight (kg)	/	16.8 (S)	20.4 (S)	24.5 (S)	30.5 (S)

- S means standard model, H means long time model.
- All specifications subject to change without notice.
- Custom-made specifications are acceptable.