

Gaming UPS

1000 VA ~ 2000 VA



Features

- Pure sine wave output
- 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 communication port

Appearance



Front Panel Design

- Aggressive Aesthetic: Use angular, futuristic lines with a matte-black base
- Embed diffused RGB LED on the front panel to create a dynamic effect.
- Programmable 8-mode lighting synced to UPS modes.

Charging Ports & UI

- Highlight USB-A/USB-C ports with polygon design to make them pop against the matte finish.
- Support 15W charging

Ventilation with Style

- Rear fans should feature RGB ring lighting (matchable to front LEDs) and honeycomb mesh grilles for a "gaming rig" vibe.

Highlight Key Features

- "World's First Gaming UPS with Reactive RGB Lighting."
- "15W Fast Charging for Mobile Devices – Stay Powered, Never Pause."

Specifications

MODEL	1000VA	1500VA	2000VA	
Capacity	1000 VA / 800 W	1500 VA / 1200 W	2000 VA / 1600 W	
DC INPUT				
Rated voltage	24 V		36 V	
DC input range (default)	20 ~ 30 V		30 ~ 45 V	
AC INPUT				
AC input range (bypass mode)	0 ~ 121 / 132 / 138 / 144 Vac for 100 / 110 / 115 / 120 Vac ± 10 Vac 0 ~ 242 / 264 / 276 / 288 Vac for 200 / 220 / 230 / 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 / 60 Hz (auto-sensing), 50 / 60 Hz ± 5% ~ 15%			
Generator connection	Available (generator input power is settable)			
OUTPUT				
Inverter output range	100 / 110 / 115 / 120 / 200 / 220 / 230 / 240 Vac ± 5% (settable)			
AC output range (bypass mode)	0 ~ 121 / 132 / 138 / 144 Vac for 100 / 110 / 115 / 120 Vac ± 10 Vac 0 ~ 242 / 264 / 276 / 288 Vac for 200 / 220 / 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. 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 (mains mode)	110% for 120 s, 125% for 60 s, 150% for 10 s (transfer to bypass mode)			
Overload (inverter mode)	110% for 60 s, 125% for 10 s, 150% for 5 s (shut down directly)			
Mute	Automatic mute in 60 s or by manual			
BATTERIES				
Inbuilt battery (standard model)	12 V / 7 Ah x 2	12 V / 9 Ah x 2	12 V / 9 Ah x 3	
Charging current	Standard model (S): 1 A (default)			
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			
OTHERS				
Communications	USB & RJ45 (standard), dry contacts / SNMP (optional)			
Operating temperature	5°C ~ 40°C			
Operating humidity	Relative humidity ≤ 93%			
Noise level	≤ 50 dB (1 m)			
Tower	Dimensions (W × D × H) (mm)	144 x 375 x 215	144 x 440 x 215	
	Packaged dimensions (W × D × H) (mm)	230 x 480 x 320		
	Net weight (kg)	12.5	14.5	18.8
	Gross weight (kg)	13.8	15.8	20.2

- All specifications are subject to change without notice
- Custom-made specifications are acceptable