

Enhanced Plus Series

For personal computers and work stations

New generation ES-Plus combines functions of intelligence, efficiency and saving electricity. We use CC/CV design for the charger function. It can prolong the life of internal battery and integrates the function of fan. It extends life of core and batteries. The revised edition for ES-S, its Power Factor can reach 0.7, highest can be 0.8 in this series. It lets your equipments stay best use situation and possesses Green Mode. It is the new generation UPS that combined functions of intelligence, efficiency and saving electricity.



ES600S / ES1000S / ES1500S

Features

- Controlled by a technologically advanced microprocessor guaranteeing high reliability
- Equipped with 2-steps boost & 1-step buck AVR to stabilize output voltage
- Management software is designed to monitor and control UPS status
- USB port and cable for managing functions via PC
- Built-in DC start function enables UPS to be started without AC power supplied
- Constant current, constant voltage battery charger (CCCV Battery Charger)
- No-load shut down (UPS Green mode)
- UPS will charge itself even though power switch is off (Off mode charging)
- UPS will shut down upon battery low; UPS will restart automatically upon AC recovery (Auto-restart)
- Over / under voltage protection (UPS will go to battery mode)
- Lightning / surge protection 175 joules

Specifications

Model Name		ES600S	ES1000S	ES1500S
Capacity		600VA/420W	1000VA/800W	1500VA/1200W
Power Factor		0.7	0.8	0.8
Waveform on battery		Simulated Sinewave		
INPUT				
Voltage		110/115/120Vac or 220/230/240Vac		
Voltage Range		-30% ~ +25%		
Frequency		50/60Hz (Auto Sensing)		
OUTPUT				
Voltage Regulation		Rated Voltage ±5% (on battery)		
Frequency		50Hz or 60Hz ±1%		
Transfer Time		<4ms		
Start on battery		YES		
Auto Restart		YES		
Number of Outlets	1x0V	4 Battery backup outlets/ 4 Surge outlets (US)	5 Battery backup outlets/ 5 Surge outlets (US)	
	2x0V	4 Battery backup outlets (IEC)	8 Battery backup outlets (IEC)	
BATTERY				
Voltage		12V DC	24V DC	
Type		12V 9AH	12V 7AH ×2	12V 9AH ×2
Recharge Time to 90%		< 4 hours		
Typical Backup Time*		26min	37min	46min
Safety Protection		Over Charge & Over Discharge Protection		
Advanced Battery Management		CC/CV		
ADVANCED WARNINGS / DIAGNOSTICS				
Front Panel LEDs		Power Status/AC mode/Battery mode/Battery Fault/Overload		
Audible Alarms		Battery mode/Battery Low/Overload		
Overload Protection		UPS shuts down at 110%load after 60 secs or 130% load after 3secs		
COMMUNICATION INTERFACE				
Communication Port		USB		
ENVIRONMENTAL				
Operation Temperature		0~40°C / 104°F		
Storage Temperature		-20 ~ 60°C / -4 ~ 140°F		
Relative Humidity		0~95% Non condensing		
Audible Noise		< 40dBA		
PHYSICAL				
Dimensions (L×W×H)	Physical	315.5×100×141 mm	343×135×208mm	
	Packing	362×130×240 mm	390×165×300mm	
Weight	Net	5.1kg	10.6kg	11.5kg
	Gross	6.2kg	11.8kg	13.7kg
CONFORMANCE				
Approvals		CE		

Specifications are subject to change without notice.

* Typical backup time represents backup time for load equivalent to one PC and one 15" LCD monitor. Values here are for reference only.

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Front Panel



- A** AC Mode
- B** Battery Mode
- C** Fault
- D** On/off

Rear Panel

ES600S



110/115/120V



220/230/240V

ES1000S/ES1500S



110/115/120V



220/230/240V

- 1** USB
- 2** UPS Output
- 3** RJ11/45
- 4** Fuse
- 5** AC Input