

**650-850 VA**

(650 VA Single Output)

**1500/2000 VA****1200 VA**

- LED Control Panel
- Microprocessor-Based Digital Control
- Automatic Voltage Adjustment
- Wide Voltage Range (170-280 VAC)
- Automatic Fuse
- Easily Understandable Alarm System
- Cold Start (Startup from Battery Without Mains Power)
- Auto Start (Automatic Start After Power Outage)
- Simulated Output Sine Wave
- Smart Battery Control System
- Short Circuit and Deep Discharge Battery Protection
- UPS Automatically Charges Battery in Off Mode
- Turn Off in Battery Mode with No Load

Auto
Start

Full
protection

Cold
Start

Wide
Voltage
Range
170-280 VAC

Capacity/Power	650 VA/ 390 W	850VA / 510W	1200VA / 720W	1500VA / 900W	2000VA / 1200W
Input					
Input Voltage	230 VAC				
Operating Voltage Range	170-280 VAC (±5%)				
Operating Frequency Range	50 Hz (±10%)				
Output					
Output Voltage	220 VAC				
Voltage Regulation	±%10 (Battery Mode)				
Frequency Range	50 Hz ±%1 (Battery Mode)				
Waveform	Simulated Sine Wave (Battery Mode)				
Transfer Time	2-6ms Typical, 10ms Max				
Efficiancu					
Mains Mode	Normal Mode: >95%, AVR Mode: >88%				
Battery Mode	>%60				
Battery					
Internal Battery	1X7Ah	1X9AH	2X7AH	2X9AH	2X9AH
Charging Current (Max.)	1A				
Typical Charging Time	8 Hours				
Protection					
Full Protection	Overload, Short Circuit, Battery Charge-Discharge Protection				
Displays					
Control Display	LED				
Alarm					
Battery Mode	Audible Alarm in 10-Second Intervals				
Low Battery	Audible Alarm in 1-Second Intervals				
Overload	Audible Alarm in 0.5-Second Intervals				
Failure	Audible Alarm in 0.5-Second Intervals				
Environmental					
Operating Temperature	0 ~ 40°C				
Relative Humidity	0 ~ %90 (Non-Condensing)				
Noise Level	≤40 dB (1m)				
Storage Temperature	20°C ~ 55°C				
Communication					
Communication Port	USB				
Software	Windows Family / Linux / Mac				
International Safety Standards					
Low Voltage Directive	Compliant with CE				
Electromagnetic Compatibility	Compliant with CE				
Dimensions & Weight					
Dimensions WxDxH (mm)	140x90x275		165x130x345		120x220x380