



Modified Sine Wave Inverter

ES Series



ES-600USB



ES-800USB



ES-1000USB
ES-1200USB



Features

- Energy Saving Mode
- Microcontroller Integrated
- Compact Design with Aluminum Housing
- LED Indicators for Inverter States
- Input & Output Fully Isolation
- Intelligent Temp & Load Cooling Fan
- Multi Pre-Alarm & Shutdown Alarm Protections:
Battery Type Detection / Polarity Reverse / Low Voltage
Short Circuit / Overheat / Overload
- 100% Made in Taiwan

Model	ES-600USB	ES-800USB	ES-1000USB	ES-1200USB
System				
Continuous Power	600W	800W	1000W	1200W
Surge Power	1500W		2400W	2800W
Output Voltage	100/110/120 VAC; 220/230/240 VAC			
Output Waveform	Modified Sine Wave			
Output USB Port	5VDC, 2.1A			
Standby Current (Normal)	< 0.5A			
Standby Current (Saving)	0.03~0.15A			
Output Regulation	< ±5% Intelligent AVR		< ±5% Intelligent PWM	
Output Frequency	50/55/60 Hz Crystal Controlled		50/60 Hz switchable by DIP	
Input Voltage	DC 12V: 10~15V; DC 24V: 20~30V			
Efficiency	> 85%			
Protection				
Input Type Auto-Detection	YES			
Input Polarity Reverse Prot.	Fuse			
Input Low Voltage Prot.	DC 12V: < 10.5V Pre-Alarm, < 9.5V Shutdown & Alarm DC 24V: < 21V Pre-Alarm, < 20V Shutdown & Alarm			
Short Circuit Prot.	YES			
Overheat	> 60°C Pre-Alarm, > 65°C Shutdown & Alarm			
Overload	Pre-Alarm	> 600W	> 800W	> 1100W
	Auto-off & Alarm	> 680W	> 900W	> 1200W
Cooling	Intelligent Fan			
Mechanical				
Fuse	DC 12V	25A x 3PC	35A x 3PCS	20A x 6PCS
	DC 24V	15A x 3PCS	20A x 3PCS	10A x 6PCS
AC Outlets	EU: 1; USA: 2			
Dimension (L x W x H) (mm)	215 x 113 x 62 mm	232 x 113 x 70 mm	345 x 137 x 79 mm	345 x 137 x 79 mm
Net Weight	1.5 kg	1.6 kg	2.5 kg	2.6 kg
RC (Standard) Accessory	-	-	YES	



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ES-1500USB



ES-2000USB
ES-2500USB
ES-3000USB



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- Input & Output Fully Isolation
- Intelligent Temp & Load Cooling Fan
- Multi Pre-Alarm & Shutdown Alarm Protections:
Battery Type Detection / Polarity Reverse / Low Voltage
Short Circuit / Overheat / Overload
- 100% Made in Taiwan

Model	ES-1500USB	ES-2000USB	ES-2500USB	ES-3000USB
System				
Continuous Power	1500W	2000W	2500W	3000W
Surge Power	3200W	4000W	5000W	6000W
Output Voltage	100/110/120 VAC; 220/230/240 VAC			
Output Waveform	Modified Sine Wave			
Output USB Port	5VDC, 2.1A			
Standby Current (Normal)	< 0.5A			
Standby Current (Saving)	0.03~0.15A			
Output Regulation	< ±5% Intelligent PWM			
Output Frequency	50/60 Hz switchable by DIP			
Input Voltage	DC 12V: 10~15V; DC 24V: 20~30V			
Efficiency	> 85%			
Protection				
Input Type Auto-Detection	YES			
Input Polarity Reverse Prot.	Fuse			
Input Low Voltage Prot.	DC 12V: < 10.5V Pre-Alarm, < 9.5V Shutdown & Alarm DC 24V: < 21V Pre-Alarm, < 20V Shutdown & Alarm			
Short Circuit Prot.	YES			
Overheat	> 60°C Pre-Alarm, > 65°C Shutdown & Alarm			
Overload	Pre-Alarm	> 1700W	> 2100W	> 2500W
	Auto-off & Alarm	> 1800W	> 2200W	> 2600W
Cooling	Intelligent Fan			
Mechanical				
Fuse	DC 12V	25A x 8PCS	20A x 12PCS	25A x 12PCS
	DC 24V	15A x 8PCS	10A x 12PCS	15A x 12PCS
AC Outlets	EU: 1; USA: 2		2	
Dimension (L x W x H) (mm)	405 x 137 x 79 mm		356 x 136 x 148 mm	
Net Weight	3.3 kg		4.5 kg	
RC (Standard) Accessory	YES			