



ME-1000-WPRU  
ME-2000-WPRU  
ME-3000-WPRU

ME-6000-WPRU  
ME-10000-WPRU

# ONLINE UPS



ME-1000-WPRU/ME-2000-WPRU/ME-3000-WPRU



ME-6000-WPRU



ME-10000-WPRU

## Features

- True double-conversion online UPS
- Wide input voltage range (110-300 VAC)
- Input power factor correction 0.99
- Output power factor 0.8
- Converter mode available
- ECO mode operation for energy saving (only available for 1-3KVA)
- Hot-swappable battery design only available for 1-3KVA
- Generator compatible
- Adjustable charging current via LCD or software (1A ~ 6A)
- Emergency power off function only available for 6K and up models

MODEL	ME-1000-WPRU	ME-2000-WPRU	ME-3000-WPRU	ME-6000-WPRU	ME-10000-WPRU
PHASE	Single phase with ground				
CAPACITY	1000 VA / 800 W	2000 VA / 1600 W	3000 VA / 2400 W	6000 VA / 4800 W	10000 VA / 8000 VA
<b>INPUT</b>					
Voltage Range	Low Line Transfer	160 VAC/140 VAC/120 VAC/110 VAC $\pm$ 5% (Ambient Temp.<35°C) (based on load percentage 100% - 80% / 80% - 70% / 70 - 60% / 60% -		176 VAC $\pm$ 3% @ 100% load 110 VAC $\pm$ 3% @ 50% load	
	Low Line Comeback	175 VAC /155 VAC/ 135 VAC /125 VAC $\pm$ 5% (Ambient Temp.<35°C) (based on load percentage 100% - 80% / 80% - 70% / 70 - 60% / 60% -		186 VAC $\pm$ 3% @ 100% load 120 VAC $\pm$ 3% @ 50% load	
	High Line Transfer	300 VAC $\pm$ 5 %		300 VAC $\pm$ 3%	
	High Line Comeback	290 VAC $\pm$ 5 %		290 VAC $\pm$ 3%	
Frequency Range	40Hz ~ 70 Hz			46-54 Hz or 56-64 Hz	
Power Factor	$\geq$ 0.99 @ nominal voltage			$\geq$ 0.99 @ 100%load	
<b>OUTPUT</b>					
Output Voltage	200/208/220/230/240 VAC			208/220/230/240 VAC	
AC Voltage Regulation (Batt. Mode)	$\pm$ 1%			$\pm$ 1%	
Frequency Range (Synchronized Range)	47 ~ 53 Hz or 57 ~ 63 Hz			46-54 Hz or 56-64 Hz	
Frequency Range (Batt. Mode)	50 Hz $\pm$ 0.25 Hz or 60Hz $\pm$ 0.3 Hz			50 Hz $\pm$ 0.1 Hz or 60 Hz $\pm$ 0.1 Hz	
Current Crest Ratio	3:1			3:1	
Harmonic Distortion	$\leq$ 3 % THD (Linear Load), $\leq$ 6% THD (non-linear load)			$\leq$ 3 % THD (Linear Load) $\leq$ 5 % THD (Non-linear Load)	
Transfer Time	AC Mode to Batt. Mode	Zero			Zero
	Inverter to Bypass	4 ms (Typical)			Zero
Waveform (Batt. Mode)	Pure Sinewave				
<b>EFFICIENCY</b>					
AC Mode	88%	89%	90%	92%	93%
Battery Mode	83%	87%	88%	90%	91%
<b>BATTERY</b>					
Battery Type	12V/9Ah	12V/9Ah	12V/9Ah	12 V / 9 Ah	12 V / 9 Ah
Numbers	2	4	6	16	16
Typical Recharge Time	4 hours recover to 90% capacity			9 hours recover to 90% capacity	
Charging Current (max.)	1.0 A		1.0 A / 2.0 A (adjustable)		
Charging Voltage	27.4 VDC $\pm$ 1%	54.7 VDC $\pm$ 1%	82.1 VDC $\pm$ 1%	218.4 VDC $\pm$ 1%	218.4 VDC $\pm$ 1%
<b>INDICATORS</b>					
LCD Panel	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions				
<b>ALARM</b>					
Battery Mode	Sounding every 4 seconds				
Low Battery	Sounding every second				
Overload	Sounding twice every second				
Fault	Continuously sounding				
<b>PHYSICAL</b>					
Dimension, D x W x H (mm)	310 x 483 x 88 [2U]	410 x 483 x 88 [2U]	630 x 483 x 88 [2U]	UPS: 530 x 483 x 88 [2U] Battery: 668 x 438 x 88 [2U]	UPS: 580 x 483 x 133 [3U] Battery: 588 x 438 x 133 [3U]
Net Weight (kgs)	12	19	29.3	UPS: 15 Battery: 48	UPS: 18 Battery: 51
<b>ENVIRONMENT</b>					
Humidity	20-90 % RH @ 0- 40°C (non-condensing)			0-95 % RH @ 0- 40°C (non-condensing)	
Noise Level	Less than 50dB @ 1 Meter			Less than 55dB @ 1 Meter	Less than 58dB @ 1 Meter
<b>MANAGEMENT</b>					
Smart RS-232/USB	Supports Windows <sup>9</sup> 2000/2003/XP/Vista/ 2008, Windows			7/8, Linux, Unix, and MAC	
Optional SNMP	Power management from SNMP manager and web browser				

NOTE 1: Derate to 80% of capacity in CVCF mode or when the output voltage is adjusted to 200/208VAC.

NOTE 2: If the UPS is installed or used in a place where the altitude is above than 1000m, the output power must be derated one percent per 100m.