

MicroMate®

Uninterruptible Power Supply Systems



US Series

High Frequency Online UPS with 0.9 p.f.



Medical



Telekom



Local area
Networks



E-business



Industrial
Processes



Servers



Labs

0.7 ~ 3KVA (1 Ph in / 1 Ph Out)

Product Snapshot:

Model: 0.7-3KVA

Nominal voltage: 60-138VAC or 130-276VAC

Nominal frequency: 50/60Hz

Output Power factor: 0.9

Bright energy power saving management

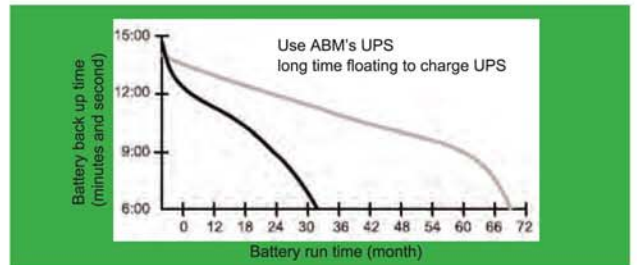
US Series use DSP control technology, double-conversion on-line design. The US Series UPS resolves utility power problems and delivers superior power protection for IT and networking equipment, medical systems, manufacturing process control, or anywhere critical equipment and applications require clean, continuous power.

Key Features

- Protects against downtime, data loss and process interruption by providing continuous, clean power.
- Offers premium performance with a 0.9 power factor and >95% efficiency.
- Increases battery service life and system uptime with ABM battery charging technology.
- Enables prolonged runtime of essential equipment during power outages by allowing for orderly, remote shutdown of non-critical systems or processes.
- Provides installation flexibility with a choice of rack or tower designs, both conserving valuable space.
- Can replace batteries online, convenient for user to use.
- Enhanced monitoring and configuration capability through easily navigated multilingual graphical LCD display.

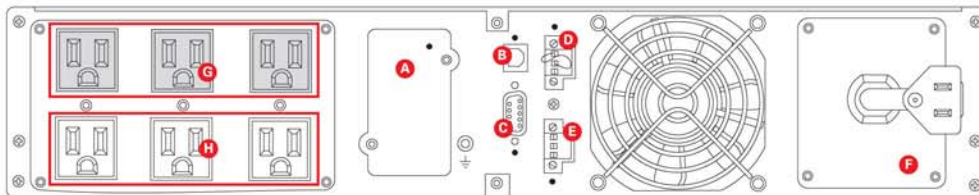


Replace battery online



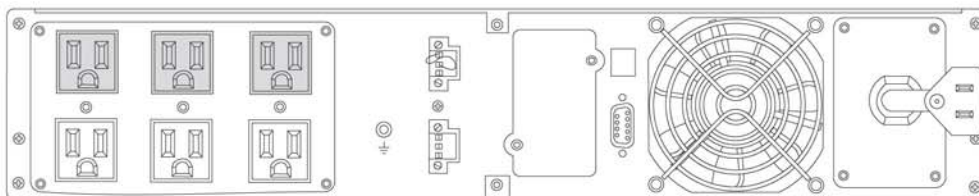
ABM technology

Back Panel Description(Rack mount):



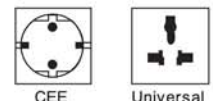
US Series 700 / 1000VA

- A** Intelligent slot
- B** USB
- C** RS232
- D** EPO(emergency power off)
- E** Relay Output
- F** Input
- G** First Load Segment
- H** Second Load Segment
- I** Output



US Series 1500VA

Available sockets



CEE

Universal Sockets



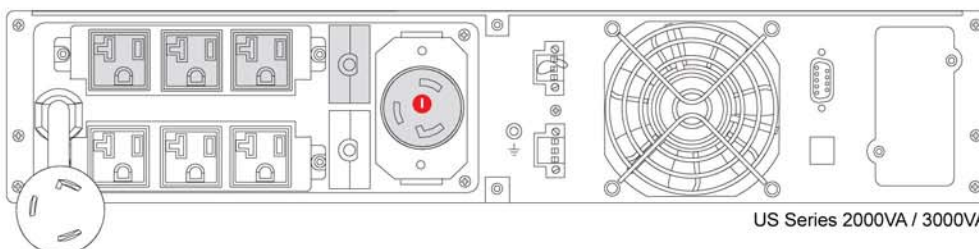
Australia Socket



IEC

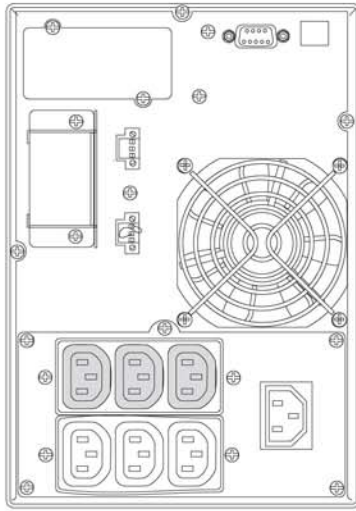


British Socket

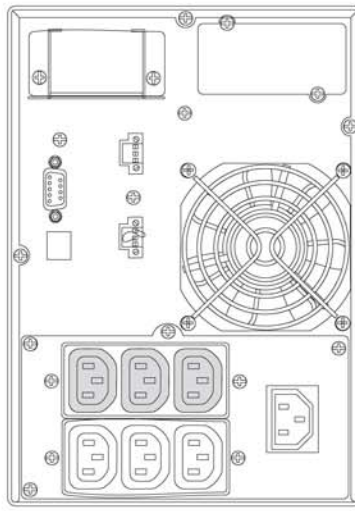


US Series 2000VA / 3000VA

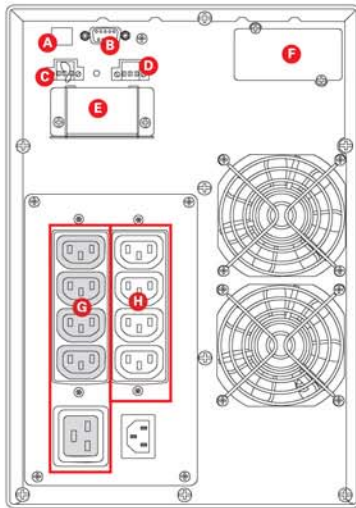
Back Panel Description(Tower):



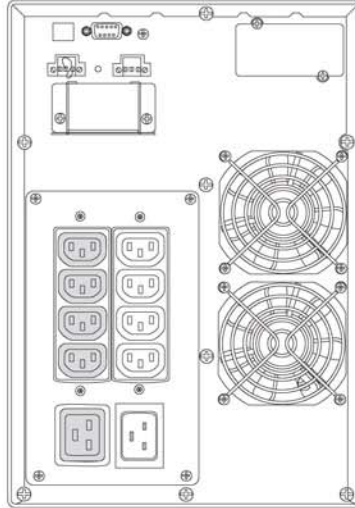
US Series 700VA / 1000VA



US Series 1500VA



US Series 2000VA



US Series 3000VA

- A** USB
- B** RS232
- C** EPO (emergency power off)
- D** Relay Output
- E** External Battery Connector
- F** Intelligent Slot
- G** First Load Segment
- H** Second Load Segment

Available sockets



CEE



Universal Sockets



NEMA



Australia Socket



British Socket



Technical Specifications

INPUT							
Model (Tower)	US0.7K-11	US1K-11	US1.5K-11	US2K-11	US3K-11		
Model (Rackmount)	US0.7KR-11	US1KR-11	US1.5KR-11	US2KR-11	US3KR-11		
Capacity	0.7KVA / 0.63KW	1KVA / 0.9KW	1.5KVA / 1.35KW	2KVA / 1.8KW	3KVA / 2.7KW		
Nominal Voltage	100 / 110 / 120 / 127Vac or 200 / 208 / 220 / 230 / 240Vac						
Nominal Frequency	50Hz / 60Hz						
INPUT							
Voltage Range	60 ~ 138Vac or 115 ~ 276Vac						
Frequency Range	50Hz: (46 ~ 54Hz) ; 60Hz: (56 ~ 64Hz)						
Power Factor	> 0.98						
OUTPUT							
Voltage Precision	100 / 110 / 120 / 127Vac (±2%) or 200 / 208 / 220 / 230 / 240Vac (±2%)						
Frequency	50Hz / 60Hz ±0.05Hz						
Power Factor	0.9						
Harmonic Distortion	Linear Load <3%, Non-linear Load <5%						
Overload Capacity	100% ~ 102% overload warning; 102% ~ 129% 12s; 130% ~ 149% 2s; ≥ 150% 100ms						
Current Crest Ratio	3 : 1						
Transfer Time	0ms (AC-DC)						
BATTERY							
DC Voltage	24VDC	36VDC	48VDC	96VDC	96VDC		
Recharge Time	5 hrs to 90% (means standard model with battery inside the UPS)						
Charging Current (Max.)	1.0A						
* Optional Enhanced Charger Current (S Model, without battery fitted)	4A (Optional 8A)						
DISPLAY / INTERFACE							
LCD	UPS Status, Input / Output Voltage & Frequency, Battery Voltage, Capacity, Load, Temperature, History Record						
Language	English, French, German, Russian, Spanish						
Communication Software	Smart RS232 Software support Windows family, Linux, Sun Solaris, IBM Aix, Compaq True64, SGI IRIX, FreeBSD, HP-UX and MAC						
Optional	SNMP Card for power management from SNMP manager and web browse USB for Windows family and Mac OS; EPO						
WORKING ENVIRONMENT							
Operation Temperature	0 ~ 40°C						
Relative Humidity	0 ~ 95% (Non-condensing)						
Storage Temperature	-25°C ~ 55°C						
Elevation	<1500m						
Noise Level	< 45dB @ 1 meter			< 50dB @ 1 meter			
PHYSICAL DATA SHEET							
Dimension (W x D x H) mm	Tower	158 x 355 x 250	158 x 385 x 250	158 x 433 x 250	220 x 410 x 345		
	Rackmount	UPS	482.6 x 450 x 89 (2U)				
		Battery	Built-in			482.6 x 450 x 89 (2U)	
Weight (KG) with Batteries	Tower	13	15	18	33	34	
	Rackmount	UPS	14	16	18.5	10.5	11.5
		Battery	Built-in			24	26