

- ✓ 1-3 kVA
- ✓ Rack / Tower
- ✓ Internal & Extended Batteries
- ✓ AU Plug
- ✓ 240V
- ✓ Phase 1:1



## ChargeMaster - Rack / Tower 1-3kVA

### Applications:

ChargeMaster rack tower range is a multi function unit that can be used among a vast range of applications:

- **Data Centres, Security & Communication Networks**
- **Hospitals - Theatre Lighting, Nurse Call, General Power**
- **Education Facilities**
- **Critical Infrastructure - Water Treatment, Scada Networks, Control Systems**
- **Commercial Buildings - Retail, Office, Home Office**

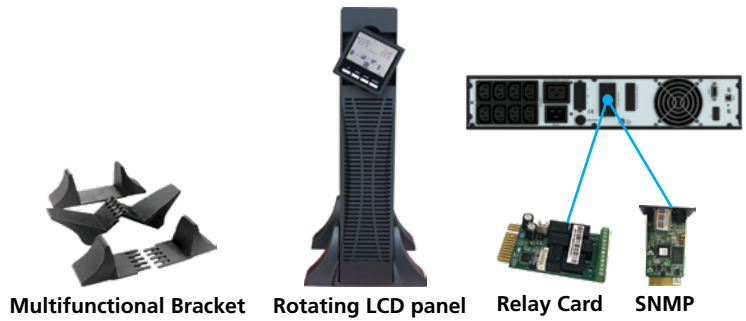
### Key Features:

- **Pure Sinewave**
- **Rack/Tower Convertible Design with rotating display**  
Customer may choose to mount the UPS in a data rack or as a tower configuration.
- **True Online Double Conversion**  
Converts the mains into DC then back to regulated AC before exporting to the load.
- **Low Noise Operation**  
Ideal for home or quiet office environment.
- **Hot-Swappable Battery**  
Both internal and external battery options.
- **Efficiency up to 92%**
- **Support Economic (ECO) Operation Mode**  
Optimises the online process by putting the UPS into Active Standby mode.
- **Cold Start**  
Will start UPS without AC mains, from battery only.
- **Emergency Power Off**

# ChargeMaster - Rack / Tower 1-3kVA

## Optional Accessories:

- SNMP ethernet card & relay output card
- (EBM) Extended battery module up to 4 additional units
- Rack mount kit
- External manual bypass switch



## Technical Specifications:

### ChargeMaster Rack Tower 1-3kVA

Capacity	1kVA	1kVA	2kVA	2kVA	3kVA	3kVA
Active Power	900W	900W	1.8kW	1.8kW	2.7kW	2.7kW
Battery Voltage	24V	36V	48V	72V	72V	96V

### Internal Battery Model (IB)

Internal Battery Configuration	2 x BAT-12V9AH	3 x BAT-12V9AH	4 x BAT-12V9AH	6 x BAT-12V9AH	6 x BAT-12V9AH	N/A
Dimensions (WxDxH mm)	440x325x86.5	440x460x86.5	440x460x86.5	440x600x86.5	440x600x86.5	N/A
Weight (kg)	11.3	14	19.5	25	26	N/A

### Extended Battery Model (LR)

Dimensions (WxDxH mm)	440x325x86.5	440x325x86.5	440x600x86.5	440x600x86.5	440x600x86.5	440x600x86.5
Weight (kg)	5.6	5.6	10.5	10.5	11	11

### Extended Battery Module (EBM)

EBM (suit IB and LR models)	24V	36V	48V	72V	72V	96V
EBM Battery Configuration	4 x BAT-12V9AH	6 x BAT-12V9AH	8 x BAT-12V9AH	12 x BAT-12V9AH	12 x BAT-12V9AH	8 x BAT-12V9AH
EBM Dimensions (WxDxH mm)	440x430x86.5	440x430x86.5	440x550x86.5	440x710x86.5	400x710x86.5	440x550x86.5
EBM Weight (kg)	17.4	22.5	31.5	44	44	31.5

### Input

Nominal Voltage	220/230/240V AC Single Phase
Input Voltage Range	176 to 264V AC
Frequency	40-70Hz (50/60Hz Auto-Sensing)
Power Factor	>0.99

### Output

Output Voltage	220/230/240V AC Single Phase, Pure Sinewave					
Voltage Regulation	+/-1%					
Power Factor	0.9					
Crest Factor	3:1					
Efficiency	85-88%	85-88%	87-90%	87-90%	88-91%	88-91%

### Battery

Battery Type	BAT-12V9AH VRLA
Typical Recharge Times	Approximate 4 hours to 90%
Max. number of EBMs	4
User Interface	LCD Display -Input/Battery/Output Voltage, Input/Output Frequency, Load %, Remaining Backup Time
Operating Temperature	0 to 40C
Humidity Range	20-95%
Audible Noise	<50dB at 1 metre
Optional	19 inch Rack Mounting Kit, UPS-RC Relay Card with remote control, UPS-SNMP-220 Ethernet Adaptor, UPS-MBS-3KVA Rack Mounted External Bypass Switch