

- ✓ 10-20 kVA
- ✓ Tower
- ✓ Internal & External Batteries
- ✓ Hardwired
- ✓ 415V (230V)
- ✓ Phase 3:1 (1:1)



ChargeMaster - Tower 10-20kVA

Applications:

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

- **Data Centres Large/Small**
- **Medical Areas - Theatre lighting, General Power, Computer Support**
- **Industrial - Production Facilities**
- **Infrastructure - Scada Networks**
- **Commercial - Retail, Office, Communication**

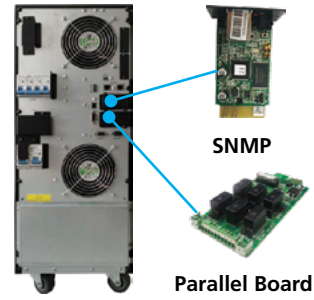
Key Features:

- **True Online Double Conversion**
Converts the mains into DC then back to regulated AC before exporting to the load.
- **N+X parallel redundancy, support a maximum of 4 units in parallel**
- **Generator Compatible**
UPS has a "walk in" function that soft starts the UPS on reconnection of the generator.
- **ECO Mode Operation for Energy Saving**
Optimises the online process by putting the UPS into Active Standby mode.
- **Self Testing when UPS Startup**
- **Cold Start**
Will start without AC mains, on DC Battery.
- **Input Harmonic Distortion less than 3%**
Exceeds EN519 and IEC61000 requirements.
- **High Efficiency**
Up to 94.5%
- **Ethernet SNMP Card Factory Fitted**
- **Wide Input Voltage**
Input Voltage Range 208-478V AC (120 to 276V AC), no derating >305V AC (176V AC).

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Optional Accessories:

- Relay output cards
- Additional battery modules for extra run time
- Parallel redundancy cables



Technical Specifications:

ChargeMaster Tower 10-20kVA

Capacity	10kVA	15kVA	20kVA
Active Power	10kW	15kW	20kW

Internal Battery Model (IB)

Internal Battery Configuration	20 x BAT-12V9AH	2 x 20 x BAT-12V9AH	2 x 20 x BAT-12V9AH
Dimensions (WxDxH mm)	250x900x868	250x900x868	250x900x868
Weight (kg)	125	180	181

Extended Battery Model (LR)

Dimensions (WxDxH mm)	250x580x655	250x580x655	250x580x655
Maximum Charge Current	14A	16A	18A
Weight (kg)	33	37	38
LR External Battery Type1	BCAB-T-40-120V-N		
Battery Configuration	2 x 20 x BAT-12V9AH		
Dimensions (WxDxH mm)	250x619x616		
Weight (kg)	134		
LR External Battery Type2	BCAB-T-80-120V-N		
Battery Configuration	4 x 20 x BAT-12V9AH		
Dimensions (WxDxH mm)	250x900x868		
Weight (kg)	265		

Input

Nominal Voltage	380/400/415V AC Three Phase (220/230/240V AC Single Phase)
Input Voltage Range	208-478V AC (120 to 276V 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	Up to 93.5%	Up to 94.5%	Up to 94.5%

Battery

Battery Voltage	+/-120V DC (240V DC nominal)		
Battery Type	BAT-12V9AH VRLA		
User Interface	Colour Segment Display -Input/Battery/Output Voltage, Input/Output Frequency, Load %, Remaining Backup Time		
Operating Temperature	0 to 40C		
Humidity Range	0-95% non condensing		
Audible Noise	<55dB at 1 metre	<55dB at 1 metre	<58dB at 1 metre
Communications	RS232, RS485, USB, EPO, Parallel Port (N+x), Ethernet SNMP		
Optional	UPS-RC Relay Card with remote control, Parallel Cable		