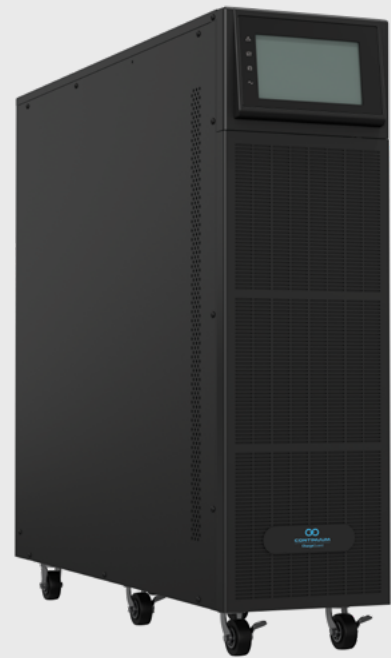


- ✓ 100-200 kVA
- ✓ Tower
- ✓ Long Run Batteries
- ✓ Hardwired
- ✓ 380/400/415V
- ✓ Phase 3:3



## ChargeGuard - Tower 100-200kVA

### Applications:

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

- Energy Efficient Data Centres – Hyperscale
- Critical High-Density Computer & IT Environments
- Hospital & Medical Critical Applications
- Industrial & Commercial Applications
- Water / Waste-Water, Desalination Plants
- Rail / Transport Critical Applications
- Banks, Telecommunication, Education Facilities

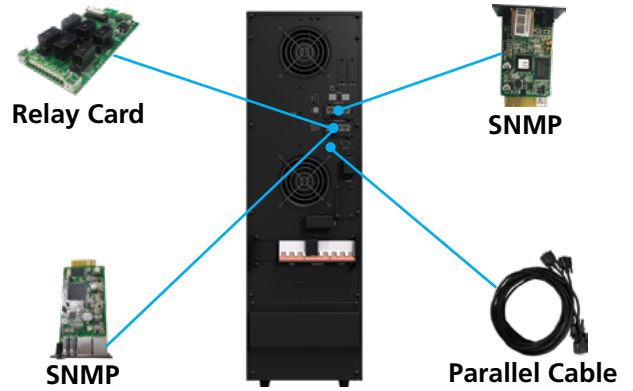
### Key Features:

- **Wide Input Voltage Range**  
138-485V AC, no derating > 305V AC.
- **Power Saving**
- **Flexible Battery Configuration**  
Batteries number of each group can be selected from 30 pieces to 50 pieces.
- **Ethernet SNMP Card Factory Fitted**
- **N+X parallel redundancy, support a maximum of 6 units in parallel**
- **100% Unbalanced Load Support**
- **Generator Compatible with “Power Walk” in Function**
- **ECO Mode Operation for Energy Saving**  
Optimises the online process by putting the UPS into Active Standby mode.
- **Self Testing when UPS Startup**  
The UPS self-tests its internal circuits.
- **Cold Start**  
Will start without AC mains, on DC Battery only.
- **Input & Output Isolators & Maintenance Bypass Switch on all models**

# ChargeGuard - Tower 100-200kVA

## Optional Accessories:

- Relay output card, Battery temperature sensor
- Parallel cable for N+x support



## Technical Specifications:

### ChargeGuard Tower 100-200kVA

<b>Capacity</b>	100kVA	120kVA	150kVA	160kVA	180kVA	200kVA
<b>Active Power</b>	100W	120W	150kW	160kW	180kW	200kW

### External Battery Model

<b>Nominal Battery Voltage</b>	+/-240V DC (480V DC)					
<b>Maximum Charge Current</b>	40A			60A		
<b>Dimensions (WxDxH mm)</b>	442x850x1200					
<b>Weight (kg)</b>	160	170	200	205	215	220
<b>External Battery Module</b>	BCAB-T-80-240V-N					
<b>Battery Configuration</b>	2 x 40 x BAT-12V9AH (VRLA)					
<b>Dimensions (WxDxH mm)</b>	250x900x868					
<b>Weight (kg)</b>	215					
<b>Custom External Battery</b>	Customised Battery Design (360V to 600V DC nominal)					

### Input

<b>Nominal Voltage</b>	380/400/415V AC (3Ph+N+E)
<b>Input Voltage Range</b>	305-485V AC
<b>Frequency</b>	40-70Hz (50/60Hz Auto-Sensing)
<b>Power Factor</b>	>0.99

### Output

<b>Output Voltage</b>	380/400/415V AC (3Ph+N+E)
<b>Voltage Regulation</b>	+/-1%
<b>Power Factor</b>	0.9
<b>Crest Factor</b>	3:1
<b>Efficiency</b>	Up to 95.5%
<b>User Interface</b>	Colour LCD Display -Input/Battery/Output Voltage, Input/Output Frequency, Load %, Remaining Backup Time
<b>Operating Temperature</b>	0 to 40C
<b>Humidity Range</b>	0-95% non condensing
<b>Audible Noise</b>	<62dB at 1m      <63dB at 1m      <64dB at 1m      <66dB at 1m
<b>Communications</b>	RS232, RS485, USB, EPO, Parallel Port (N+x), Ethernet SNMP
<b>Options</b>	UPS-RC Relay Card with remote control, Battery Monitoring System, Parallel Cable