

## CHM-MT-11-1KVA-IB-24V

| Type                     | Configuration | Phase | Rated Power | Battery  |
|--------------------------|---------------|-------|-------------|----------|
| Online Double Conversion | Mini Tower    | 1:1   | 1kVA (900W) | Internal |

## Physical

|                           |                    |
|---------------------------|--------------------|
| Input Connection          | AU Plug with cable |
| Dimensions W x D x H (mm) | 144 x 293 x 209    |
| Weight (kg)               | 9.3                |

## Input

|                             |                                      |
|-----------------------------|--------------------------------------|
| Rated Nominal Input Voltage | 220/230/240V AC                      |
| Permissible Input Voltage   | 110 to 300V AC                       |
| Frequency                   | 40 to 70Hz (50 Hz/60Hz Auto-Sensing) |
| Power Factor                | >0.99                                |
| Generator Compatible        | Yes                                  |

## Output

|                                    |                                       |
|------------------------------------|---------------------------------------|
| Output Connection                  | 4 x IEC Output Sockets                |
| Nominal Output Voltage             | 220/230/240V AC Pure Sinewave         |
| Voltage Regulation                 | +/-1 %                                |
| Power Factor                       | 0.9                                   |
| Output frequency (Line)            | 46 to 54Hz (56 to 64Hz in 60Hz mode)  |
| Output frequency (Battery)         | 50/60Hz +/-1 %                        |
| Crest Factor                       | 3:1                                   |
| Harmonic Distortion THDV           | < 3% Linear Load, <5% Non-Linear Load |
| Transfer time - Inverter to Bypass | 4msec                                 |
| Transfer time - Mains to Battery   | 0msec                                 |

## Efficiency

|                      |           |
|----------------------|-----------|
| AC Mode/Battery Mode | 88% / 85% |
|----------------------|-----------|

## Battery

|                              |                                               |
|------------------------------|-----------------------------------------------|
| Battery Voltage              | 24V DC nominal                                |
| Internal Battery Type        | 2 x BAT-12V9AH VRLA                           |
| Typical Recharge time to 90% | 4 hours                                       |
| Optional EBM                 | BCAB-T-04-24V-C (max 4) with in-built charger |
| EBM Battery Type             | 4 x BAT-12V9AH VRLA                           |

## LCD Display Indicators

|                    |                                                                                                                                                 |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Display Parameters | Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load Percentage, Battery Voltage, Internal Temperature, Remaining Backup Time |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|

## Standard Features

|                 |                                                                                                                                                 |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Operation Modes | Line Mode, Battery Mode, ECO Mode, Bypass Mode                                                                                                  |
| Communications  | USB, RS232 Interface, Expansion Slot, Software                                                                                                  |
| Protections     | Short Circuit, Overload, Over Temp, Battery Over Charge/Discharge, Low Output Voltage, Fan Fault Alarm, EPO Emergency Power Off (Hardware Link) |
| Options         | UPS-RC 5 Relay Output Card, UPS-SNMP-220 Ethernet SNMP Card                                                                                     |

## Environment

|                       |                                  |
|-----------------------|----------------------------------|
| Operating Temperature | 0 to 40C (Storage -25 to 50C)    |
| Humidity Range        | 5 to 95% at 40C (Non-Condensing) |
| Conformal Coated PCBs | Standard                         |
| Audible Noise         | <50dB at 1 metre                 |

## Approvals

|        |                                                              |
|--------|--------------------------------------------------------------|
| Safety | IEC/EN 62040-1, IEC/EN 62477-1, ROHS Compliant               |
| EMC    | IEC/EN 602040-2, IEC 61000-4-(2,3,4,5,6,8,11), IEC61000-2-2) |