

CHM-MT-11-2KVA-IB-48V

Type	Configuration	Phase	Rated Power	Battery
Online Double Conversion	Mini Tower	1:1	2kVA (1.8kW)	Internal

Physical

Dimensions W x D x H (mm)	191 x 460 x 337
Weight (kg)	19.5

Input

Input Connection	AU Plug with cable
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	8 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	90% / 87%
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Battery

Battery Voltage	48V DC nominal
Internal Battery Type	4 x BAT-12V9AH VRLA
Typical Recharge time to 90%	4 hours
Optional EBM	BCAB-T-08-48V-C (max 4) with in-built charger
EBM Battery Type	8 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
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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)