

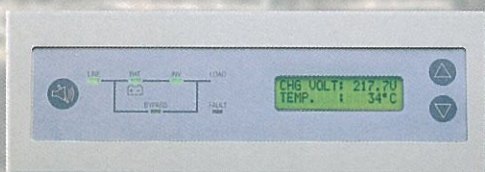
On-Line UPS

*Well-Protected with MD Series
for your critical system*

MD SERIES

Features & Benefits

- LCD Front Panel Display
- CPU controlled UPS
- True RS232 interface via dual communication port
- True on-line operation, 5KVA to 15KVA
- High frequency 20KHz inverter
- Low distortion less than 3%
- High crest ratio is 3:1
- Manual by-pass switch
- Front I/O access, minimum maintenance space
- Modular structure, easy maintenance
- Fast transient response
- Over load and short circuit protection
- Automatic retransfer or static transfer switch (STS) after overload
- Most advanced IGBT component



SPECIFICATION

MODEL		MD1050	MD1075 MD3075	MD1100 MD3100	MD1120 MD3120	MD3150
Rated Power	at p.f.=0.8	5KVA	7.5KVA	10KVA	12KVA	15KVA
Input	Voltage	100V/110V/120V/ ±15% or 220V/ 230V/ 240V/ ±15%		220V/ 230V/ 240V/ ±15% or 380V/ 220V, 400V/ 230V 415V/ 240V ±15%		
	Frequency	50Hz or 60Hz ±5%				
	Phase	1ø2w + G		1ø2w + G or 3ø3w + G or 3ø4w + G		
Output	Voltage	100V/110V/120V or 220V/ 230V/ 240V		220V/ 230V/ 240V		
	Phase	1ø2w + G				
	Voltage regulation	±1%				
	Frenquency	50Hz or 60Hz				
	Frenquency stability	±0.5%				
	Transient Condition	±4% For 100% instantaneous load variation, recover to ±1% after 25ms.				
	Harmonic distortion	≤ 3% At 100% linear load				
	Waveform	Pure Sinewave				
	Crest ratio	3:1				
	Overload capability	150% For 25 seconds				
Efficiency	Complete unit	>84%	>80%		>84%	
	Inverter	>90%				
Battery	DC Voltage	192VDC				
	Type	12V7AH	12V 17AH	12V26AH	12V26AH	12V40AH
		Rechargeable, Sealed maintenance free				
	Back-up time at full load	25 min.	14 min.	17 min.	>10 min.	16 min.
	Recharge time	10 hours to 90% after fully discharged				
	Battery completely discharge	Auto cut-off invert invert auto-restart when line recovers				
Transfer time	Line fail or recover	Zero				
	UPS TO BY-PASS or reverse	<2ms. at full load				
	UPS fault	<2ms. transfer to by-pass				
	Overload	<2ms. transfer to by-pass, auto-transfer to inverter 60 secs after decreasing load				
Audible noise	At one meter	<55dBA	<60dBA			
Indicators	Five LED's	Line input (green), Battery (green), Inverter (green), Bypass (amber), Fault (red)				
	Two levels	LCD display ups data				
Audible alarm	Battery discharge	Sounding every three seconds after line fails (alarm can be silenced by pushing the reset button)				
		Sounding once every one second as battery approaches final discharge (alarm can not be silenced)				
	Fault	Continuous (cannot be silenced)				
Environment	Temperature	0°C ~40°C (32°F ~104°F)				
	Humidity	30% ~90% (non-condensing)				
Weight (kgs)	Without Battery	102.5	141	173	173	212.5
	Internal Battery		100			
	ISO. TX.	47	39	65	66	61
	Total (kgs)	149.5	280	238	239	273.5
Dimension	LxWxH (mm)	655x270x700	700x490x883	700x490x883	700x490x883	700x490x883

Option:

MODEL	MD1050	MD1075 MD3075	MD1100 MD3100	MD1120 MD3120	MD3150	Dimension LxWxH(mm)	Cabinet	Batt.	Total Weight(kgs)
BATTERY									
12V 7AH Battery Bank	18 min			—	—	660x270x680	35	80	115
12V 26AH Battery Bank	—	>21 mins	17mins	>10 min	>8 min	700x350x840	66	152	218
12V 40AH Battery Bank	—	>35 mins	>20 mins	>15 min	16min	700x430x840	66	245	311

- Supports NOVELL, UNIX system users via a DB9 connector.

