

ED Series Rackmount UPS & Frequency Converter, Single-Phase, 47Hz - 450Hz Input

Model Numbers	ED4-3000RM-1	ED4-4000RM-1	ED4-5000RM-1
Nominal VA	3000	4000	5000

Electrical Input

AC Voltage, +10% -10%	120Vac Single-phase		
Current-Amps	30	40	50
Frequency Range	47Hz - 450Hz		
Power Factor	≥0.7pf		

Electrical Output

AC Voltage	120 Vac 1Ø, ± 3%		
Frequency	50 or 60Hz ±1Hz or 400Hz ±1%		
Watts	2100	2800	3500
Current-Amps	27A with 0.7pf Load 17.5A with Resistive Load	33A with 0.7pf Load 23.3A with Resistive Load	43 with 0.7pf Load 29.1A with Resistive Load
Non – Linear Repetitive Peak (Amps)	65A	75A	100
Total Harmonic Distortion	< 3% @ 100% Linear Load, < 5% @ 100% Non-Linear Load		
Overload	120% for 10 Seconds		
Dynamic Response	± 5% RMS for 100% Step Load Change, 1ms Recovery Time		
Output Protection	Short Circuit and Overload		
Battery Charger (lead-acid only)	800ma		
Battery Type	(6) pieces of 12V, 9AH VRLA		
Battery Runtime	4 minutes 11.5 minutes	2 minutes 8.6 minutes	1.7 minutes 6 minutes

Electrical Connections

Input	(1) MS3452W24-10P or Hardwire (Located on the rear panel)
Output	(1) MS3452W22-22S or Hardwire (Located on the rear panel)
External Battery Connector	(1) MS3102A18-11P (Located on the rear panel)

Environmental

Operating Temperature	-20°C to +50° C
Storage Temperature	-40°C to +60°C
Humidity	10% to 95% Non – Condensing
Operating Altitude	10,000 Feet
Cooling	200cfm Fan
Air Flow	Front to Back
Audible Noise @ 1.5 Meters	60dBA @ 1.5 Meters

Controls and Indicators

Sequenced LEDs	Load Level / Battery Level
Single LED	Utility Present, Summary Alarm, Inverter On
Audible Alarms	Utility Interrupt, Inverter Failure, Overload

Mechanical

Dimensions H x W x D inches (mm)	6.97 x 16.87 x 21.19 (177.1 x 428.5 x 538.3)
Chassis	4U Rackmount
Weight lb. (kg)	85 (38.6)
Mounting	Rackmount Front Panel & Equipment Slide Mounting Holes

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