

**MODEL****MS3748AEJ****Inverter Operation**

Continuous Output Power (with 1.0 PF)	3700Watts
Continuous Output Current (ac amps)	15.5A @ 240V
1msecPeak Surge Current	70A L-L
100msecPeak Surge Current	32A L-L
5 Sec Surge Power	6200W
10 Sec Surge Power	6100W
30 Sec Surge Power	6000W
5 Min Surge Power	5400W
30 Min Surge Power	4000W
Continuous InputDC Current	90A @ 50.4V
Input DC Voltage range	36 to 67.6Vdc
Max. Inverter Efficiency	91.00%
Idle Power (searching)	10W
Idle Power (full wave)	22W
Weight	53lb. (24.0 kg)
Dimensions LxWxH	13.75" X 12.65" X 8" (34.9cm X 32.1cm X 20.3cm)
Output Voltage AC	120/240 RMS +/- 5%
Output Frequency	50 Hz +/- 0.4
AC Transfer Relay	Standard 30A (per leg)
Output AC Waveform type	Sine Wave
Temperature rating	25C
Low Battery Cutout	40Vdc(default) -user adjustable with ME-RC remote
On/Off w/LED Indicator	Yes
Overtemperature protection	Yes
Fan Cooled	Yes
AC Overload Protection	Yes
UL Listing	NA
Construction	Die Cast Aluminum
Warranty	2 years

**CHARGER OPERATION**

Continuous Charger Current (at 56.4Vdc)	60A
Input current for rated charger output	16A @ 240V (or 8 amps per leg)
Power Factor (10% to 100% charge)	0.95 or better
Max. Charger Efficiency	91.00%