

## MS3748AEJ Datasheet

MODEL	MS3748AEJ
<b><u>INVERTER OPERATION</u></b>	
Continuous Output Power (with 1.0 PF)	3700Watts
Continuous Output Current (ac amps)	15.5A @ 240V
1msec Peak Surge Current	L-L: 70A
100msec Peak Surge Current	L-L: 32A
5 Sec Surge Power	6200W
10 Sec Surge Power	6100W
30 Sec Surge Power	6000W
5 Min Surge Power	3600W
30 Min Surge Power	3500W
Continuous Input DC Current	90A @ 50.4V
Input DC Voltage range	36.0 to 67.6Vdc
Max. Inverter Efficiency	0.91
Idle Power (searching)	10W
Idle Power (full wave)	22W
Weight (Unit/Shipping)	55 lbs (24.9 kg) / 60 lbs (27.2 kg)
Dimensions LxWxH	13.75" x 12.65" x 8.0" (34.9 cm x 32.1 cm x 20.3 cm)
Output Voltage AC	120/240 RMS (+/- 5%)
Output Frequency	50 Hz (+/- 0.4Hz)
AC Transfer Relay	30AAC each input (60 AAC total)
Output AC Waveform type	Sine Wave
Temperature rating	25C
Low Battery Cutout	40Vdc (default) - user adjustable with remote
On/Off w/LED Indicator	Yes
Overtemperature protection	Yes
Fan Cooled	Yes
AC Overload Protection	Yes
UL Listing	Not available
Construction	Die Cast Aluminum
Warranty	2 years
<b><u>CHARGER OPERATION</u></b>	
Continuous Charger Current (at 56.4Vdc)	60A
Input current for rated charger output	8 AAC per leg (16 AAC @ 240V)
Power Factor (10% to 100% charge)	0.95 or better
Max. Charger Efficiency	0.91