

Product Data Sheet

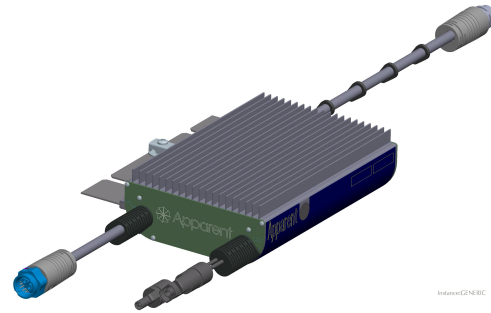
Grid Tied Micro Inverter

MGi220



General Information

Photovoltaic Power Extraction Micro-Inverter
 NEMA 6 enclosure, easily rail mounted
 Fifteen Year Limited Warranty



Qualifications and Certificates

UL 1741 : 1999 R11.05
 CSA C22.2.107.1-01
 Patent Technology by
 Patent No. US 7,839,025 B2 and
 additional Pending Patents

MGi220 - General Information	
Electrical Characteristics	
Power Source	Solar Voltaic Panel Only
Startup Time Initial Power On	300 Seconds
Overload Current Protection Circuit	Current Limiting
Power Extraction Method	Proprietary Power Transfer and Tracking
Efficiency	91%
PV Panel (input)	
Maximum PV Open Circuit Voltage	42VDC
Minimum PV Operational Voltage	18VDC
Minimum Solar Panel Wattage	100W
Maximum Solar Panel Wattage	240W
Reverse Polarity Protection	Yes
Rated Input Current	8A
Maximum Input Short Circuit Current	10A DC
Overcurrent Protection	Yes
AC (output)	
AC Output Voltage	108-132 VAC 60Hz
AC Output Rated Current	1.5A
AC Output Maximum Current	1.75A
AC Output Continuous Real Power	190 Watts
AC Output Continuous Apparent Power	269 VA
AC Output Power Factor Range	-.7 to +.7
AC Output Maximum Fault Current	6.3A
AC Overcurrent Protection	Yes

Physical Characteristics	
Solar Panel DC Input Connector	MC3, MC4 or Tyco Solarlok
Output Connector	3 pin IP67 connector
Wire Size	Minimum 12 Gauge
Dimensions	8.25" x 5.375" (7.75" w/bracket) x 2.30"
Weight	7.0 lbs. / 3.2 kg
Outdoor Use	Yes
Enclosure Rating	NEMA 6
Mounting	Indoor/Outdoor
Environmental Characteristics	
Operating Temperature Minimum	-40° C
Operating Temperature Maximum	60° C
Tropicalization	Yes
Humidity	95% non condensing
Monitoring	
Input /Output Status	Ethernet

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