

IM SERIES 2.0kVA MODULAR INVERTERS



DC INPUT

Operating Voltage Range:	40.5-58V DC
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AC INPUT

	IM20230-48	IM20110-48
Input Voltage Range:	176-276V AC	89-138V AC
Over Voltage Threshold:	276V AC	138V AC
Under Voltage Threshold:	176V AC	89V AC
Transfer Time:	10ms	10ms

AC OUTPUT

	IM20230-48	IM20110-48
Nominal Output Voltage:	230V AC	120V AC
Nominal Output Power:	2000VA 2000W	2000VA 2000W
Output Voltage Range:	208-240V AC	110-120V AC
Output Voltage Tolerance:	±2.0%	
Output Voltage Frequency:	50/60Hz selectable	
Output Frequency Tolerance:	±0.5%	
Total Harmonic Distortion:	<3.0% linear loads, <5.0% non linear loads	
Overload Capability:	120% overload permanently, 200% overload in 5 seconds	
Crest Factor:	3:1	
Peak Efficiency:	90.0%	
Operating Temperature Range:	-20°C to +60°C	
Acoustic Noise	<55dBa at 1m	

MECHANICAL

Dimensions W, H, D:	440.0mm, 43.6mm (1U), 360.0mm
Weight:	6.50kg
Cooling:	Force cooled



COMPLIANCES

Safety:	EN60950
Immunity:	CISPR24
Emissions:	CISPR22
AC Harmonics:	EN61000-3-2
AC Flicker & Fluctuation:	EN61000-3-3
Other:	CE & RoHS compliant



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