

CP-250-60-208/240-MC4 Microinverter Specifications

Topic	Unit	Min	Typ	Max
DC Parameters				
MPPT Voltage Range	V	22	26	37
Operating Range	V	18		37
Maximum DC input voltage	V			40
Min/Max Start Voltage	V	22		37
Max DC input short circuit current	A			21
Max DC input current	A			12
Ground fault protection	mA	N/A	Isolated 2500 Vrms Input / Output / Chassis	
Maximum input source backfed current to input source	A			0
AC Parameters				
Maximum Continuous AC output Power (-40 to 65C)	W		220	
Maximum Peak AC output Power (-40 to 65C)	W		250	
Output power factor		0.95	0.99	1
AC Output Frequency Range	Hz	59.3	60	60.5
Maximum AC output overcurrent protection	A		6.3	
Maximum AC output fault current & duration	A/Sec	1.6A peak for > 10% of any cycle		
High AC Voltage trip limit accuracy	%			±2
Frequency trip limit accuracy	Hz	±0.1		
Time Trip Accuracy	ms	±33		
240 V				
Nominal AC Output Voltage Range	V	211	240	264
Extended AC Output Voltage Ranges	V	153/173/192	240	288
Maximum Continuous AC Output Current	A			1.04
Maximum Peak AC Output Current	A			1.18
208 V				
Nominal AC Output Voltage Range		183	208	229
Extended AC Output Voltage Ranges		133/150/166	208	250
Maximum Continuous AC Output Current				1.2
Maximum Peak AC Output Current				1.37
Other Parameters				
Inverters Per Trunk Cable 90C THWN Wire				17
Peak Inverter Efficiency	%		96.6	
CEC Weighted Efficiency	%		96.09	
Static MPPT efficiency (EN 50530)	%	99.5		99.8
Total Output Current THD	%		2.0	5
Ambient temperature range	°C	-40		65
Night Tare Loss	mW		80	
Storage Temp Range	°C	-40		85

LED Status Indication for PV Voltage / AC Voltage / Power Export States

Form Factor & Certifications

Dimensions (including connectors)	12 x 8 x 1.8"
Weight	2.5 Lbs
Enclosure Rating	NEMA 4X
Cooling	Natural Convection
Communication	Power Line
Warranty	Tiered as part of purchase agreement
Compliance	Confirms to UL1741, IEEE1547
	CSA C22.2 NO. 107.1 & FCC Part 15 Class B
Integrated AC Disconnect	AC connector approved for use as load-break disconnect required by NEC