

Site Power Controller - Technical Specifications

Part Number	SE2000-PFSV-MSDC	
Description	Site power controller provides dynamic control of site power, active power & reactive power	
Inputs / Outputs		UNIT
AI	4 independent analog input channels (can be configured as voltage or current input)	
DI / DO	8 digital inputs / 8 digital outputs	
Isolation	1.5k VDC or 1k Vrms	VDC/Vrms
AI - Analog Inputs		
Type	Differential	
Resolution	10 bit	
I / O Mode	Voltage / Current	
Input Range	from 0 to 10 VDC, from 0 to 20 mA	VDC/mA
Accuracy	±0.1% FSR @ 25°C ±0.3% FSR @ 10-60°C ±0.5% FSR @ 40-75°C	°C
Sampling	All channels: 12 samples/sec Each channel: 3 samples/sec Only one channel enabled: 12 samples/sec	Sec
Input Impedance	10M Ohm (minimum)	Ohm
Input Resistance Current Mode	120 Ohm	Ohm
DO - Digital Outputs		
Type	Sink	
I/O mode	DO	
Over-voltage protection	45 VDC	VDC
Over-current protection	2.6 A (4 channels @ 650 mA)	A
Over-temperature protection	175°C (typical), 150°C (min.) via shut-down	°C
Rated current	200 mA per channel	mA

Power Details		
Supply	12, 24, 48 VDC nominal, allowed from 9 to 60 VDC	VDC
Consumption	120 mA @ 12 VDC (without active DOs)	VDC
Physical Characteristics		
Wiring on screw connectors	I/O Cables, max. 14 AWG	
Container dimensions	170 x 165 x 61 mm (6.7 x 6.5 x 2.4 in)	mm
Weight	< 200 g	g
Assembly	DIN rail, wall, support	
Environmental Limits		
Operating temperature	From -10 to +75 °C (+14 to +167 °F)	°C/°F
Storage temperature	From -40 to +85 °C (-40 to +185 ° F)	°C/°F
Relative ambient humidity	5 to 95%	
Altitude	Up to 2000 m	
Reference Standards		
EMI	EN 55022; EN 61000-3-2; EN 61000 3-3/4-4/4-5/46/4-8/4-11 Rec. ITU-T K20 e K21	
Environmental production	RoHs, WEEE	
Communication Ports		
RS485 port, RS232 port, USB port, RJ45 10/100 Mbps Ethernet port with RJ45 connector, link/activity LEDs, 1.0 kV magnetic isolation		
Integrated Communication Modules		
UMTS / HSPA modem, ZigBee Pro radio module, LoRa module 868Mhz		
Warranty		
Warranty period	2 years	