



Product Information Sheet

XPX C1000

General Information

Photovoltaic Power Extraction Charge Controller
 NEMA 3R enclosure, easily Mounted
 One Year Limited Warranty

Qualifications and Certificates

UL 1741 Certified
 CE Certified
 FCC Part 15 B Certified
 Patent Pending Technology



XPX C1000 - General Information	
Electrical Characteristics	
Power Source	Solar Voltaic Panel Only
Startup Time Initial Power On	20 Seconds Maximum
Overload Current Protection Circuit	Current Foldback
Self Consumption Power Off	< 1 mA
Power Extraction Method	Proprietary Power Transfer and Tracking
Efficiency	94%
PV Panel (input)	
Maximum PV Open Circuit Voltage	42V
Minimum PV Operational Voltage	8V
Minimum Solar Panel Wattage	15W
Maximum Solar Panel Wattage	200W
Reverse Polarity Protection	Yes
Rated Input Current	8A
Undervoltage Protection	Yes
Overcurrent Protection	Yes
Voltage Drop Limitation	Not Applicable
Battery (output)	
Automatic Charge Voltage Sensor	Yes
Charging @ 24 Volts	Standard
Equalization	Yes
Current Rating	15A
Reverse Current Inhibit	Yes
Battery Charging Low Voltage Disconnect	Yes
Battery Charging High Voltage Disconnect	Yes



Battery Types	Yes
Flooded Lead Acid	Yes
Deep Cycle (Lead Acid)	Yes
Sealed (Lead Acid)	Yes
Gel (Lead Acid)	Yes
Absorbed Glass Mat	Yes
Battery Selection	Auto
Physical Characteristics	
Solar Panel DC Input Connector	MC Connectors
Output Connector	Screw Terminal
Wire Size	Minimum 12 Gauge
Dimensions	7.0" x 6.00" x 2.0"
Weight	2.0 lbs.
Outdoor Use	Yes
Enclosure Rating	NEMA 3R
Mounting	Indoor/Outdoor
Conduit Knockouts	½ inch
Environmental Characteristics	
Operating Temperature Minimum	-20° C
Operating Temperature Maximum	60° C
Tropicalization	Yes
Humidity	95% non condensing
Monitoring	
Input /Output Status	LED
Charge Control State	LED (blink)
Battery Charge Voltage	LED (blink)