



Product Information Sheet

XPX C1000

General Information

Photovoltaic Power Extraction Charge Controller
 Improves Solar Panel Power Production
 Water Resistant Device, Easily Mounted
 Ten Year Limited Warranty

Qualifications and Certificates

ETL Canada and United States Listing Pending
 CE Listing
 FCC Part 15 A + B Certification
 Patent Pending Technology



XPX C1000 - General Information	
Electrical Characteristics	
Power Source	Solar Voltaic Panel Only
Startup Time Initial Power On	60 Seconds Maximum
Reprogrammable Charging Voltage	Yes
Overload Current Protection Circuit	Current Foldback
Solar Panels Interconnected in Parallel	Yes
Self Consumption Power Off	< 1 mA
Power Extraction Method	Proprietary Power Transfer and Tracking
Efficiency	94%
Self Consumption Active Extraction	4%
Improvement Specified	Over 20% versus MPPT
PV Panel (input)	
Maximum PV Open Circuit Voltage	42V
Minimum PV Operational Voltage	10V
Minimum Solar Panel Wattage	15W
Maximum Solar Panel Wattage	200W
Reverse Polarity Protection	Yes
Rated Input Current	8A
Overvoltage Protection	48V
Undervoltage Protection	Yes
Overcurrent Protection	Yes
Voltage Drop Limitation	Not Applicable
Battery (output)	
Automatic Charge Voltage Sensor	Yes
Charging @ 12 Volts	Auto Sense
Charging @ 15 Volts	Firmware
Battery Equalizer	Optional Equipment



Current Rating	15A
Reverse Current Inhibit (will not run off battery)	Yes
Charge Float Control Method	3 Stage
Float Voltage Adjustment	Automatic
Low Voltage Disconnect	Yes
High Voltage Disconnect	Yes
Battery Types	Yes
Flooded Lead Acid	Yes
Deep Cycle (Lead Acid)	Yes
Sealed	Yes
Gel	Yes
NiCad	No
Absorbed Glass Mat	Yes
Lithium Ion	Yes
Battery Selection	Auto
Battery/Inverter (output)	
Automatic Charge Voltage Sensor	Yes
Charging Voltage (Minimum to Maximum)	8V – 17V (Variable to Battery/Inverter Type)
Physical Characteristics	
Solar Panel DC Input Connector	MC Connectors
Output Connector	30 Amp PC Screw Terminal
Wire Rating	Minimum Installation Rating 100 V
Dimensions	7.0" x 6.00" x 2.0"
Weight	2.0 lbs.
Outdoor Use	Yes
Enclosure Rating	NEMA 3R
Conformal Coating	Silicon based
Mounting	Vertical Outdoor
Conduit Knockouts	Yes - ½ Inch
Environmental Characteristics	
Operating Temperature Minimum	-20° C
Operating Temperature Maximum	60° C
Tropicalization	Yes
Humidity	95%
Monitoring	
Input /Output Status	LED
Charge Control State	LED (blink)
Battery Charge Voltage	LED (blink)