

DATASHEET
SP2-10E
SP2-10S



Highlights

- External power solution for the IO MAX®
- Integrated solar panel and battery design
- Rechargeable Sealed Lead Acid batteries
- 10 Watt Solar Panel
- SP2-10E: 5 AH SLA, -40 °C to 80 °C charging
- SP2-10S: 9 AH SLA, -20 °C to 50 °C charging
- IP66 protection
- Class I; Division 2 Solar Panel
- Includes 3-stage charging controller with temperature compensation
- Includes mounting kit

Technical Specifications

PRODUCT	SP2-10E -40 °C to 80 °C	SP2-10S -20 °C to 50 °C
ELECTRICAL		
Maximum Power	10 W	
Voltage (Pmax)	18.1 Vdc	
Current (Pmax)	0.55 Amp	
Tolerance (Pmax)	+3%	
Charger	3-Stage 12 V Charging w/ Temperature Compensation Constant Current / Constant Voltage / Trickle Charge	
BATTERY		
Battery Cell	5 AH Sealed Lead Acid (SLA)	9 AH Sealed Lead Acid (SLA)
MECHANICAL		
Battery Enclosure	Polycarbonate Weatherproof NEMA 4X Enclosure	
Output Cable	PVC, 4 x 22 AWG, 4 Amp / 250 V, 9.8 ft	
Output Connection (to Transmitter)	M12, 4-Pin Female Connector	
Dimensions WxHxD (Assembled)	10.75" x 16.50" x 4.00"	
Dimensions WxHxD (Packaging)	22" x 18" x 6"	
Weight (Assembled)	13.5 lbs	
Weight (Gross)	14 lbs	
Mounting	Includes 1 U-Bolt (2 1/4"), 1 Pipe Clamp, 2 Nuts (9/16"), 2 Tie Straps	
Certifications: Solar Panel	cCSAus Class I; Division 2 Group A,B,C,D T3C; UL 1703, ULC/ORD C1703-01 ETL IEC 61730-1, IEC 61730-0; EN 61730-1, EN 61730-0	
Operating Temperature	-60 °C to 80 °C (Discharging) -40 °C to 80 °C (Charging)	-40 °C to 60 °C (Discharging) -20 °C to 50 °C (Charging)
IP Rating / Humidity	IP66 / 0 to 99%, Non-Condensing	
Warranty	2-Year Parts and Labor	
Country of Origin	USA	
Ordering	SX1000-SP2-10E	SX1000-SP2-10S
DC Charger	SX1000-XCT	

