

PRACTICAL. CLEAN. AUTONOMOUS.

MEET SOLIS ENERGY'S SOLAR POWER PLANT.



No grid power? No problem. Solis Energy's Solar Power Plants (SPP) deliver reliable solar generated electricity – anytime and anywhere. Perfect for remote installations where trenching is too costly or impractical. Our SPPs are ideal for remote wireless networking and communications, security applications such as perimeter surveillance and access control, smart grid and metering infrastructure, telemetry equipment, and more.

SOLAR POWER PLANT



FEATURES

- Wide Operating Temperature (-40 to 60°C)
- Hydraulic-Magnetic Breakers
- Powder Coated Aluminum Enclosure
- Clean DC Power Output
- Online Battery Connection - Zero Transfer Time
- Suited for Multiple Battery Types
- Sophisticated Multi-Stage Charging



APPLICATIONS

- Remote Communications Equipment
- Perimeter Security and Surveillance
- Emergency Call Boxes and Mustering Stations
- PLCs and RTU Systems
- Wellhead Controls
- Obstruction Lighting
- Environmental Monitoring



POWER WHEN YOU NEED IT.

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Rev 24.2

OVERVIEW	Model Number	SPP12050-B-U1G1 SPP12100-C-31G1 SPP12150-E-5SG2			SPP24400-E-5SG2 SPP24400-3-5GS4		SPP24800-3-5SG4 SPP48800-3-5SG4		
	System Voltage (Handoff)	12 VDC Nominal			24 VDC Nominal			48 VDC Nominal	
	Type	Online Double Conversion							
	Charging Algorithm	Multi Stage							
	Surge Protection	Transient							
	Total Weight (lb)	63.5	138.5	247.0	275.0	446.0	540.0	547.0	
SOLAR ARRAY	Minimum Watts Power Max	50	100	150	400	400	800	800	
	Minimum Volts Power Max	17	17	17	34	34	34	68	
	Nominal Array Voltage	12	12	12	24	24	24	48	
	Weight (lb)	29	53	44	72	72	129	129	
CHARGING	Absorption Charge Voltage	14.1V	14.1V	14.1V	28.2V	28.2V	28.0V	56.0V	
	Float Charge Voltage	13.7V	13.7V	13.7V	27.4V	27.4V	27.4V	54.8V	
	Output Current	10A	10A	20A	20A	20A	30.0A	30.0A	
	Load % @ 55°C	100%							
	Load % @ 70°C	60%							
PROTECTION	Input Protection	Hydraulic-Magnetic Circuit Breaker							
	Battery Protection	Hydraulic-Magnetic Circuit Breaker							
	Load Protection	Hydraulic-Magnetic Circuit Breaker							
	Low Voltage Disconnect	Yes	Yes	Yes	Yes	Yes	Optional	Optional	
	Environmental	Over Voltage / Over Temperature							
ENVIRONMENTAL	Working Temperature	-40°C - 60°C							
	Storage Temperature	-40°C - 85°C							
	Working Humidity	20 - 95% RH non-condensing							
ENCLOSURE	Dimensions (H x W x D)	18.2 X 11.7 X 8.2	27.75 X 17.38 X 8.09	27.875 X 16 X 15	27.875 X 16 X 15	27.875 X 16 X 15	31.25 x 30 x 18.875	31.25 x 30 x 18.875	
	Weight, Empty (lb)	8	14	30	30	30	67	67	
	Weight, with Controller (lb)	11	17	34	34	36	73	80	
	Material	A5052-H32 Aluminum Alloy							
	Finish	Polyester Powder Coat							
	Fastener	Stainless Steel Draw Latch with Padlockable Hasp							
	Hinge	Door Length Stainless Steel Piano Hinge							
	Cable Ingress / Egress	1/2" NPT Polyamide Cord Grips							
	Environmental	NEMA 3R - Field Upgradable to NEMA 4X							
	Mounting	Pole / Wall / Truss Tower				Pole / Wall / Ground / Truss Tower			
	Shelf	N/A	N/A	Optional	Optional	Yes	Yes	Yes	
BATTERY ARRAY	Array Total Energy Storage (Wh)	432	1296	2952	2952	5904	5904	5904	
	Array Voltage (Nominal)	12VDC			24VDC			48VDC	
	Array Capacity @ C100	36	108	246	123	246	246	123	
	Chemistry	Sealed Thixotropic Gel VRLA							
	Quantity	1	1	2	2	4	4	4	
	Weight, Total (lb)	23.5	68.5	169	169	338	338	338	
	Weight, Each (lb)	23.5	68.5	84.5	84.5	84.5	84.5	84.5	

Note: The information contained herein is subject to change without notice.

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