

MOBILE. MODULAR. INDUSTRIAL.

MEET SOLIS ENERGY'S MOBILE POWER PLANT.



No grid power? No problem. Solis Energy's Mobile Power Plant is a rugged and durable autonomous power system made of aluminum and stainless steel. Ideal for security, surveillance, IIoT, utilities, oil & gas, and other industrial applications. Its modular design provides easy setup and flexibility for multiple mast and battery box configurations that easily accommodate third-party devices. To deploy to a new site simply collapse the solar array and lift it into the bed of a pickup truck or ship LTL freight.

MOBILE POWER PLANT



FEATURES

- All Aluminum and Stainless Steel Construction
- Modular Design Provides Ultimate Versatility
- Collapses for Easy LTL Shipping
- Fits in the Bed of a Pickup Truck
- Can be Moved with Standard 42" Forklift Forks
- Designed for Rapid Deployment
- Composed of Multifunctional Parts



APPLICATIONS

- Construction Site Security
- Pipeline Surveillance and Monitoring
- Power Transfer Station Security
- Solar and Wind Farm Monitoring
- Emergency Communications
- Parking Lot Security
- Disaster Response



POWER WHEN YOU NEED IT.

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Rev 25.10

MPP



	Model Number	MPP24400-D2 31G4	MPP24400-D3 31G8	MPP24800-D2 31G4	MPP24800-D3 31G8	MPP48800-D2 31G4	MPP48800-D3 31G8
OVERVIEW	System Voltage (Handoff)	24 VDC Nominal				48 VDC Nominal	
	Type	Maximum Power Point Tracking (MPPT)					
	Charging Algorithm	Multi Stage					
	Transient Surge Protection	4500W					
	Dimensions, Stowed (HxWxD)	58 x 48 x 94.5 in (1473 x 1220 x 2400 mm)					
	Dimensions, Deployed, Max (HxWxD)	92 x 68 x 94.5 in (2337 x 1727 x 2400 mm)					
	Total Weight (lb)	547	782	603	877	603	877
SOLAR ARRAY	Maximum Power	400	400	800	800	800	800
	Maximum Power Voltage	31.0	31.0	31.0	31.0	62.0	62.0
	Maximum Power Amperage	12.9	12.9	25.8	25.8	12.9	12.9
	Weight (lb)	47	47	94	94	94	94
CHARGING	Absorption Charge Voltage	28.0V	28.0V	28.0V	28.0V	56.0V	56.0V
	Float Charge Voltage	27.4V	27.4V	27.4V	27.4V	54.8V	54.8V
	Maximum Charging Current	30A	30A	30A	30A	30A	30A
PROTECTION	Input Protection	Hydraulic-Magnetic Circuit Breaker					
	Battery Protection	Hydraulic-Magnetic Circuit Breaker					
	Load Protection	Hydraulic-Magnetic Circuit Breaker					
	Environmental	Over-Temperature, Solar Reverse Current, Solar Overload, Solar Short-Circuit, Solar Overvoltage, Battery High Voltage					
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)	14.0 x 36.2 x 21.1 in (356 x 920 x 536 mm)					
	Weight, Empty (lb)	26					
	Weight, with Controller (lb)	39					
	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 3X - Field Upgradable to NEMA 4X					
	Quantity	2	3	2	3	2	3
BATTERY ARRAY	Array Total Energy Storage	5184 Wh	10368 Wh	5184 Wh	10368 Wh	5184 Wh	10368 Wh
	Array Voltage (Nominal)	24 VDC				48 VDC	
	Array Capacity @ C100	216 Ah	432 Ah	216 Ah	432 Ah	108 Ah	216 Ah
	Chemistry	Sealed Thixotropic Gel VRLA					
	Total Number of Batteries	4	8	4	8	4	8
	Battery Weight, Total (lb)	274	548	274	548	274	548
	Battery Weight, Each (lb)	68.5					

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

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