

# 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.**

150 N Cypress Way • Casselberry, FL 32707  
407.339.6786 • [www.SolisEnergy.com](http://www.SolisEnergy.com)

Rev 24.2

# MPP



Model Number	MPP24400-5SG4	MPP24400-5SG8	MPP24800-5SG4	MPP24800-5SG8	MPP48800-5SG4	MPP48800-5SG8
<b>OVERVIEW</b>						
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)	611	910	667	1005	667	1005
<b>SOLAR ARRAY</b>						
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
<b>CHARGING</b>						
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
<b>PROTECTION</b>						
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					
<b>ENVIRONMENTAL</b>						
Working Temperature	-40°C - 60°C					
Storage Temperature	-40°C - 85°C					
Working Humidity	20 - 95% RH non-condensing					
<b>ENCLOSURE</b>						
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					
Mounting	Pole / Wall / Truss Tower				Pole / Wall / Ground / Truss Tower	
<b>BATTERY ARRAY</b>						
Array Total Energy Storage	5904 Wh	11808 Wh	5904 Wh	11808 Wh	5904 Wh	11808 Wh
Array Voltage (Nominal)	24 VDC				48 VDC	
Array Capacity @ C100	246 Ah	492 Ah	246 Ah	492 Ah	123 Ah	246 Ah
Chemistry	Sealed Thixotropic Gel VRLA					
Total Number of Batteries	4	8	4	8	4	8
Battery Weight, Total (lb)	338	676	338	676	338	676
Battery Weight, Each (lb)	84.5					

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

## POWER WHEN YOU NEED IT.