



Mobile PV SUPER ARRAY

SA-12

The Power You Need... Wherever You Need it

Specifications

Solar Array:

12 x 355-watt LG monocrystalline modules
Average Daily Energy Harvest: 24 kWh
3,960-watt array (nominal DC)
25-year warranty / BAA Compliant
Pre-wired PV Combiner box
(ready for connection to MS, HS or RB model)
20 foot-long chassis with six 3-inch steel outriggers
Wind Rating 100 MPH / Exposure C (with ground pinning)
Overall dimensions (LxWxH): 25'x 8'6"x 8'-4"

Trailer Chassis:

8' x 20' flat chassis trailer / DOT Compliant
Rated GVWR: 7,000 pounds
Six outriggers with 8,000-pound swing-away jacks
Six under-carriage welded D-rings for anchoring
Adjustable/removable ball coupler
5-year Limited Product Warranty

Upgrade Options:

Additional Axle Capacity
High Clearance Package
Off-road Package
Custom Chassis Work
MS Connection Accessories
Ballast Tanks

Transport



Deployed



The SA-12

is the most compact commercially available rolling solar array on the market.

With over a decade-and-a-half of mobile and static off-grid PV experience, Mobile Solar designed and engineered this product to solve the age-old off-grid solar problem of not having enough daily solar harvest! Well, with the new SA Series, we fixed it, big time! Let us build one for you today.

30% Federal Income Tax Credit expires Decemeber 31st 2019!





Mobile PV SUPER ARRAY SA-Series Specifications



SA-models

	SA-12	SA-15	SA-24
Number of Panels	12	15	24
Array Wattage	4,020 watts	5,025 watts	8,040 watts
Average Daily Energy Harvest	24 kWh	30 kWh	48 kWh
PV Wiring	3 Series, 4 Parallel	(1) 2S/3P, (1) 3S/3P	(2) 3 Series, 4 Parallel
String VOC	123 volts	123 volts	123 volts
String ISC	10.49 amps	10.49 amps	10.49 amps
PV Combiner	Midnite MNEPV6	(2) Midnite MNEPV6	(2) Midnite MNEPV6
Panel Manufacturer	LG Neon	LG Neon	LG Neon
Buy-American Compliant?	Yes	Yes	Yes
Warranty	25 year limited	25 year limited	25 year limited

Solar

Charge Controller

	SA-12	SA-15	SA-24
Provided?	No	No	No
Number Required	1	2	2
DC Amp Rating	80A	60A	80A
Recommended Manufacturer	Midnite or Outback Power	Midnite or Outback Power	Midnite or Outback Power

Trailer Platform

	SA-12	SA-15	SA-24
Axles	(1) 3,500 LB	(2) 3,500 LB	(2) 3,500 LB
GVWR	3,500 LB	7,000 LB	7,000 LB
Tires	ST205/75/R15 Load Range C	ST205/75/R15 Load Range C	ST205/75/R15 Load Range C
Hitch Type	Adjustable Height Ball Coupler	Adjustable Height Ball Coupler	Adjustable Height Ball Coupler
Ball Size	2-5/16"	2-5/16"	2-5/16"
Optional	Pintle Hitch	Pintle Hitch	Pintle Hitch
Inner Dimensions (L x W x H)	22' x 8'-6" x 8'-4"	27' x 8'-6" x 8'-4"	32' x 8'-6" x 12'-10"
Est. Total Weight (Pounds)	2,000	3,200	4,860
Manufacturer	Five Star Trailers	Five Star Trailers	Five Star Trailers
Warranty	1 Year Standard	1 Year Standard	1 Year Standard

upgrade your MS-model to come SA-Ready



Significantly increase your daily solar harvest by 48kWh with an SA-24!

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