SEPA550-QM Solar Electric Power Assembly

Features & Benefits:

- The SEPA550 solar electric power assembly features two solar modules ranging between 255-300 Watts each integrated together on our double support power bracket. Optional full sheet metal protection for the back side of the panels.
- The 448 Amp hour battery assembly, consisting of four 112 amp hour batteries, is contained within a vented aluminum battery box and includes a wiring harness and control electronics. Optional keyed locks.
- There are 14 different controllers to choose from for different types of applications such as dusk to dawn, dusk activated timer, split timing, and motion activation.
- The systems are built for easy installation with quick connect terminals and can be mounted to a wall, roof, or pole.
- Every system is available to produce DC or AC power depending on the needs of the load.
- Meets AASHTO wind force ratings.
- Powder coating and custom design available.
- 5 year maintenance free system, warranty up to 25 years (see warranty).

Made in USA

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Solar Electric Power Company
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Specifications

Panel Assembly

The 550 Watt double array consists of two solar modules ranging from 255-300 Watts each which are mechanically fastened to a vented aluminum panel pan with stainless steel fasteners, optional full sheet metal backside protection, terminated in industry standard MC4 connectors. Solar array produces 40 +/- amps charge current and measures 80"L x 66"W x 2.1"D. The array has a 10 year warranty for 10% power loss and 25 year warranty for 20% power loss. The solar array has a life cycle and actual field proven life of over 30 years.

Battery Assembly

A vented aluminum box with optional locks containing four 112 amp hour sealed GEL batteries, totaling 448 amp hours, which is integrally mounted and pre-wired to include a standard wire harness with simple plug in connections for the SEPCO MPPT Adaptive Lighting Control and the solar panel assembly. The low profile design contains a preformed and welded back mounting plate for easy attachment to a pole or wall. Battery assembly contains SEPCO unique "Through the Pole" rear wire routing output for no exposed wiring to provide a neat clean appearance for the finished installation.

The batteries are warranted for 5 years. Battery assembly is complete with all stainless steel mounting hardware. All metal crafting has been performed by high speed robotic presses using computer programmed instructions.

Power Bracket

An all aluminum, unique double support power bracket (5^{o} or 45^{o}) consists of a substantial aluminum channel affording mounting to any pole or wall. Circumference welding of strong 2-1/4" aluminum tubing in a double support arrangement to provide maximum strength for wind loading. The power bracket contains predrilled and tapped battery slide mount bolts of stainless steel and two 11/16" mounting holes for utility standard 5/8" mounting bolts. The bracket contains the unique "Through the Pole" battery wire hole for no exposed system wiring.

The SEPCO solar electric power assemblies have proven themselves as the most rugged and robust design in thousands of installations worldwide since their introduction in 1994. SEPCO systems surpass all codes, compliances, and quality controls.

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