SEPA275-QM Solar Electric Power Assembly

Features & Benefits:

- The SEPA275 solar electric power assembly features a single module ranging between 255-300 Watts mounted to our double support power bracket. Optional full sheet metal protection for the backside of the panel.
- 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 over 10 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 consist of pre assembled sub assemblies that simply bolt together for quick and easy installation with plug and play style wire connections.
- 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

Solar Electric Power Company

1521 SE Palm Court, Stuart, FL 34994 | ph: 772-220-6615 | fax: 772-220-8616 | www.sepco-solarlighting.com

Specifications

Panel Assembly

The SEPA275 single array consists of one 255-300 watt module which is 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 20 +/- amps charge current and measures 40"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. The 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° or 45°) 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 up to 5/8" diameter mounting bolts. The bracket contains the unique "Through the Pole" 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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