

SERIES 88+

P/N 602425

20W/36AH/12V



Product | Specifications

The Series 88+ is a self-contained, pre-assembled solar-power supply designed specifically for the Oil & Gas industry's remote data acquisition (SCADA/RTU) needs in both land-based and offshore operations. Each Series 88+ system provides steady, clean power to a variety of telemetry systems across a diverse range of applications, including well-head, pipeline and custody transfer applications. Each power system is pre-assembled and shipped complete for rapid installation. Enclosures are compliant to UL and NEC specifications and allow complete integration of electronics equipment into a single enclosure.

Estimated Panel Output (Amp-Hours/Day)

Average Sun Hours/Day

.5 to 1.0	1.0 to 1.5	1.5 to 2.0	2.0 to 2.5	2.5 to 3.0	3.0 to 3.5	3.5 to 4.0	4.0 to 4.5	4.5 to 5.0	5.0 to 5.5	5.5 to 6.0	6.0 to 6.5
-----------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------

Range = Amp Hours/Day

0.54 - 1.08	1.08 - 1.62	1.62 - 2.16	2.16 - 2.70	2.70 - 3.24	3.24 - 3.78	3.78 - 4.32	4.32 - 4.86	4.86 - 5.40	5.40 - 5.94	5.94 - 6.48	6.48 - 7.02
-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------

Specifications

Solar Panel	<ul style="list-style-type: none"> Kyocera module KS20J 20 watt 10 year warranty
Module Mounting Structure	<ul style="list-style-type: none"> Side-of-pole mount – adjustable tilt Fits 2" schedule 40 pipe
Enclosure Type	<ul style="list-style-type: none"> Fiberglass – NEMA 4X
Enclosure Size	<ul style="list-style-type: none"> 12" x 10" x 6"
Enclosure Assembly	<ul style="list-style-type: none"> Pre-assembled stainless steel hardware; padlock latch Integrated mounting flange for 2" – 4" schedule 40 pipe (3) Fuses – array, battery and load (NEC compliant) DIN rail provided for radio, RTU or other hardware
Battery Controller	<ul style="list-style-type: none"> 12 Vdc, 8 amps Negative-ground shunt regulator Solid state, low frequency pulse charge method UL Listed Low voltage disconnect 5-year warranty
Battery	<ul style="list-style-type: none"> 36 amp-hour, 12 volt (nominal) Sealed gel battery – maintenance free Valve Regulated Lead Acid (VRLA)
Electrical / Miscellaneous	<ul style="list-style-type: none"> All pre-assembled cables necessary to interconnect the solar module, solar module to the system controller, controller to battery Includes solar array conduit cable assembly – 15' System grounding stud provided Bottom entry ports
System Documentation	<ul style="list-style-type: none"> System manual including schematics

Options

(Please contact Kyocera Solar, Inc. for pricing):

- Maximum Power Point Tracking (MPPT) battery charge controller with smart tracking algorithm to maximize energy harvest and data logging
- PC Meter Bus Adapter to convert the battery charge controller's meter port to RS 232 for connection to PC or other SCADA inputs
- Coaxial lightning and surge protection, internally mounted
- Optional back plates and shelves available for various radio mounting configurations

Custom Engineered Solutions Available

