



# J & S Instruments, Inc.

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## SPP SERIES SOLAR PANEL PACKAGE DATA SHEET

The SPP Series Solar Panel Packages are aggregates of the SP Series Solar Panels w/ Rack, SC Series Solar Regulators w/ Cable Assembly, GC Series Gel Cell Batteries w/ Cable Assembly, and miscellaneous wire/hardware in a kit form. These units were selected for use together to supply 12 VDC power to a portable weather station or remote data logging site where alternative power sources are neither available nor practical to utilize. These packages were sized for use in any location around the world where there is an average of three sun hours per day. Based on this available solar charging, the batteries will supply continuous power to their loads for 24 hours a day and never discharge below 80 % of their full capacity for many days. Furthermore, a blocking diode is present to keep the solar panel from becoming a load during non sun hours of the day and a by-pass diode is present to protect the system from transient flashes caused by vehicle headlights and lightning.

<b>SPECIFICATIONS:</b>	<b>SPP-10</b>	<b>SPP-20</b>	<b>SPP-30</b>	<b>SPP-40</b>
Volts:	12 VDC	12 VDC	12 VDC	12 VDC
Load:	100 mA	200 mA	300 mA	200 mA
Battery:	34 AHr	34 AHr	95 AHr	95 AHr
Power:	10 W	20 W	30 W	40 W
Non Sun Day Capacity:	11 Days	5 Days	10 Days	16 Days
Weight:	40 Lbs.	50 Lbs.	80 Lbs.	90 Lbs.
Fuse (2 each):	1 A	2 A	3 A	3 A
Wiring:	18 AWG	18 AWG	18 AWG	18 AWG

The SPP Series Solar Power Packages come complete with a full one year warranty against defects in materials or workmanship.

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