RSP5
SOLAR PANEL
SPECIFICATIONS AND INSTRUCTIONS

SeaMetrics

GENERAL INFORMATION

The RSP5 5W solar panel makes it possible to use SeaMetrics flowmeters inremote applications where a reliable source of electricity is not availableor practical. The RSP5 is intended for use with a standard 12V, 50 Amp-hour deep cycle battery (not included). It comes standard with a charge controller and galvanized steel mounting hardware and provides a 90-day back-up power supply for periods of darkness.

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS		
• Typical current at design operating point	330 mA	**Extreme cold temperatures may diminish electrical output.*
• Typical voltage at design operating point	15V	
MECHANICAL CHARACTERISTICS		
Weight	• 8 pounds	
Overall Height	• 14.625"	
Overall Width	• 13.625"	
MOUNTING METHOD		
• U clamp on 2" vertical pipe		

PLACEMENT

The solar panel should be oriented toward the sun as much as possible, particularly during the middle part of the day, its most productive period. It is important to keep the panel free from all shadowing. In the northern hemisphere, panels should be faced due south (not magnetic south). In the southern hemisphere, panels should be faced due north (not magnetic north).

For optimal energy output, adjust tilt angle as described in the table below. At most latitudes, performance can be improved by decreasing the angle in summer and increasing the angle in winter.

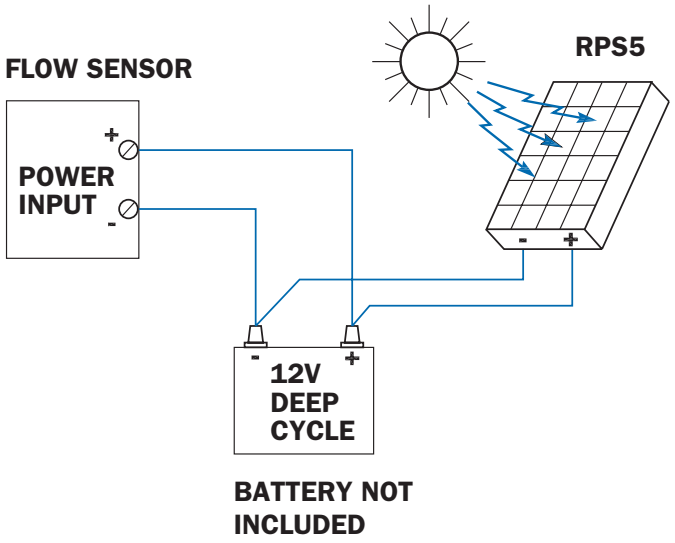
LATITUDE	ANGLE FROM HORIZONTAL
0-4°	10°
5-20°	Local latitude plus 5°
21-45°	Local latitude plus 10°
45-65°	Local latitude plus 15°
66-75°	80°

INSTALLATION

Mount the solar panel on a 2" vertical pipe or similar structure using the U bolt supplied. Fasten the cable to the mounting pole below the panel with a cable tie or tape to provide strain relief for the cable.

Connect the positive (red) and negative (black) wires on the RSP5 solar panel to the battery, making sure that the correct polarity is observed. Connections from the solar panel to the battery should be tight and sound. Use crimped connectors or, if splicing wires together, wire nuts or soldering. Be certain that connections are protected against corrosion and short circuit conditions. Store battery in a dry area.

SOLAR PANEL DIAGRAM



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