

Solar Panel Measuring Meter

Operating Instructions

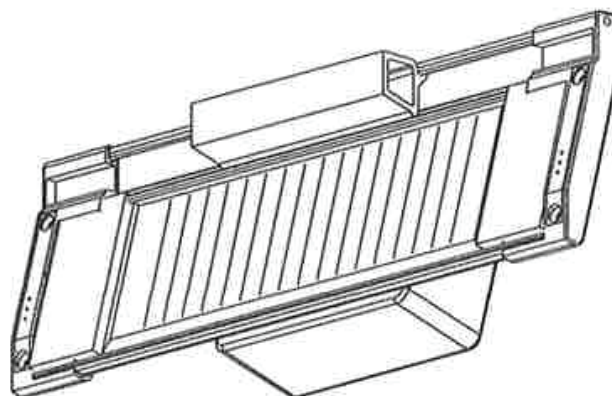
How to use the solar panel measuring meter

A special tool has been developed for measuring light under different conditions. The amount of power required to operate a solar motorised product is about 100mAh. This represents two cycles (two open and close) each day. The measurement from the solar panel is 100mAh. This means that if the panel generates an output 100mA electric current, it will need one hour to charge. Under normal situations, the charging time will be much longer. Therefore, the required charging electric current can be much less. For example, if the charging time is 5 hours, the required charging current is 20mA. The measurement will also vary depending on the time of day.

If the solar panel is positioned where it can access direct sunlight, the 4 cell panel (MSP53) will always be more than enough.

For a location that has no direct sunlight, the table below gives an indication as to how many cells a panel needs on a particular site based on the light measured.

Grey condition Raining, heavy cloudy or late afternoon		Shining condition Sunning, and between 10am - 3pm	
Reading	Cells needed	Reading	Cells needed
0.5 - 0.8	4 (MSP-53)	3.5 - 5.0	4 (MSP-53)
0.4 - 0.5	6 (MSP-77)	2.5 - 3.5	6 (MSP-77)
0.3 - 0.4	8 (MSP-101)	1.8 - 2.5	8 (MSP-101)
0.2 - 0.3	10 (MSP-125)	1.5 - 1.8	10 (MSP-125)



The measuring meter

