**SOLAR UTILITY PRO**

The new Solar Utility Pro from Seaward takes PV testing to the next level. With the introduction of more efficient 1500V modules and inverters, Seaward have answered the industry call for an easy to use and robust tester with 1500V capabilities. Its market leading 40A current capability enables the Solar Utility Pro to test parallel wired strings up to a maximum of 1500V / 40A, eliminating the time consuming task of separating strings to keep within lower limits of other instruments. A single press of the Test button will give values for Open Circuit Voltage and Short Circuit Current, and when paired with the Seaward Solar Survey 200R irradiance meter, will also record irradiance, module and ambient temperature measurements. The large internal storage memory can record up to 999 complete record sets, which can be downloaded as a CSV file to a PC for review. To make on site testing easier, the Solar Utility Pro is supplied with 1.5M long conversion leads that convert the standard MC4 leads to alligator clips – particularly useful in combiner boxes and junction boxes.

**KEY FEATURES:**

1. 1500V / 40A rated.
2. Large display designed for reading in direct sunlight.
3. Direct MC4 connections, with the option to add a conversion lead set for safer connections in combiner boxes.
4. Simple single button test.
5. Rugged case designed for continuous site work.
6. Store up to 999 complete record sets.
7. CSV output to PC to review data.
8. Pairs to Solar Survey 200R irradiance meter to capture the irradiance and temperature measurements at the time to test (single person testing).

**KIT INCLUDES:**

1. Solar Utility Pro unit.
2. Set of 1.2M red and black MC4 leads with test probe and alligator clip.
3. Set of 2M red and black MC4 extension leads.
4. SS200R irradiance meter.
5. SS200R irradiance meter clamp.
6. PV hold-all bag.
7. 3 x 18650 protected lithium-ion batteries.
8. Battery charger.

**Technical Specification**:

 Display Range 0.0VDC – 1500VDC

 Measuring Range 5.0VDC – 1500VDC

 Resolution 0.1VDC max

 Accuracy ± (0.5% + 2 digits)

 **Short Circuit Current Measurement**

 Display Range 0.00ADC – 40.00ADC

 Measuring Range 0.50ADC – 40.00ADC

 Maximum Power 45kW

 Resolution 0.01ADC

 Accuracy ± (1% + 2 digits)

**General Specifications**

 Dimensions 40mm x 300mm x 152mm (L x W x H, Closed)

 13.4” x 11.8” x 6.0” (L x W x Closed)

Weight 4.7kg (10.4lbs)

Power Source 3x 3.7V / 3000mAh Li-ion batteries

Communication USB Download

Display Custom LCD with backlight

 On-board Memory Up to 999 datasets

Storage Environment -25°C to +65°C (-13°F to 149°F)

Operating Conditions 0°C to 40°C (32°F to 104°F)

Environmental Protection IP 40 open, IP64 closed

**Connectivity**

USB download to PC, CSV format

Wireless “Solarlink” to Survey 200R - Frequency 433MHz, range 39m/100ft (ROW) Frequency