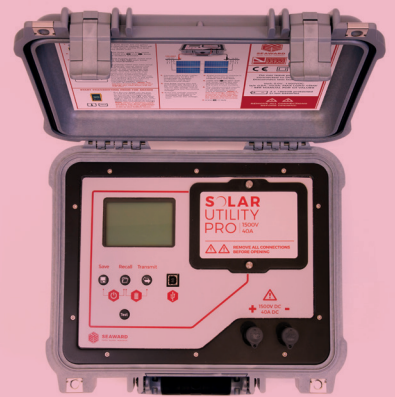# Solar Utility Pro

The only 1500V, 40A string checker.

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.

These features, in a rugged enclosure, give the larger scale PV engineer the most efficient, portable and highest rated tester available.

Why buy the Solar Utility Pro?

> **Test up to 1500V / 40A systems** – ideal for today's more modern powerful PV installations

> **Highest rated PV tester on the market** – minimizing accidental damage to the instrument or the user by testing across multiple strings

> **Record up to 999 full sets of string data** – maximizing time in the field to complete testing without downloading and clearing the memory

> **Rugged case design** – giving more protection while being transported around large utility scale sites

> **Contact us for product training and support**

To see the new **Solar Utility Pro** for yourself, request your live online demonstration today at **seaward.com/SUP**

T: +44 (0) 191 587 8741 E: sales@seaward.com

TESTED, TRUSTED… WORLDWIDE.

SEAWARD
ELECTRICAL SAFETY TESTING & MEASURING.

Solar Utility Pro

The only 1500V, 40A string checker.

Key Features:

> 1500V / 40A rated

> Large display designed for reading in direct sunlight

> Direct MC4 connections, with the option to add a conversion lead set for safer connections in combiner boxes

> Simple single button test

> Rugged case designed for continuous site work

> Store up to 999 complete record sets

> CSV output to PC to review data

> Pairs to Solar Survey 200R irradiance meter to capture the irradiance and temperature measurements at the time to test (single person testing)

Kit includes:

> Solar Utility Pro unit

> Set of 1.2M red and black MC4 leads with test probe and aligator clip

> Set of 2M red and black MC4 extension leads

> SS200R irradiance meter

> SS200R irradiance meter clamp

> PV hold-all bag

> 3 x 18650 protected lithium-ion batteries

> Battery charger

> 2 x Dust covers

> 1 x UK mains lead

> 1 x Schuko mains lead

Seaward Solar Cert Software

> Compatable with Solar Cert to give you the ability to compare measured Voc and Isc against expected values calculated using the panel parameters

> If temperature or irradiance is missing, Solar Cert now has an interpolation option

DESIGNED & BUILT IN GREAT BRITAIN

KEEPING PEOPLE SAFE FOR OVER 35 YEARS

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The only 1500V, 40A string checker.

Technical Specification:

Open Circuit Voltage Measurement (PV Terminals)

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	340mm x 300mm x 152mm (L x W x H, Closed)
	13.4" x 11.8" x 6.0" (L x W x H, 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, via DataLogger Utility	(CSV format)
Wireless "Solarlink" to Survey 200R	Frequency 433MHz, range 30m/100ft (ROW)
	Frequency 915MHz, range 30m/100ft (USA)

Part Number: 416A910 (433MHz, ROW), 416A912 (915MHz, USA Only)

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