

enLink OAQ SPS

Solar Power Supply

Synetica's enLink OAQ Solar Power Supply (SPS) is a combined solar panel and rechargeable lithium-ion battery power supply unit for use with the enLink OAQ range of outdoor air quality monitors.

Designed and manufactured in the UK, the OAQ units contain sophisticated technology including laser light scattering and electrochemical gas sensors, which draw considerable power. Dependent on their specific location the monitors can be battery, solar or externally powered to deliver comprehensive installation options.

The enLink OAQ SPS ensures continual power to the monitoring equipment and is useful in situations where the system's onboard battery provides insufficient operating time or where external power is unavailable.

Comprehensive battery protection circuits protect the batteries against reverse connection, over-discharge, overvoltage and charging at freezing temperatures.



Applications



Commercial



Energy



Infrastructure



Stadia



Retail



Education

Key Features



Ensures reliable power supply for OAQ monitors



Useful where battery or external power options are not suitable or available



Tough, weatherproof design for extended instrument longevity



High capacity, solar rechargeable batteries



Wall or Pole mount

The engineering team at Synetica have many years' experience in monitoring and analysing critical environmental information for the facilities management, commercial and industrial sectors.

Many businesses monitor and regulate air quality in order to comply with increasingly stringent government standards or to simply negate the effects of contaminated air on public and employee health. The enLink OAQ features a particulate matter sensor providing MCERTS certified data.

Synetica's outdoor air monitoring solutions are designed to provide accurate data over long distances and integrate easily with smart technology platforms helping businesses and public bodies monitor key environmental factors.

Combining our extensive manufacturing capabilities with our acquired knowledge, we work with a diverse range of customers from power generation plants and retail outlets, through to large scale public infrastructure projects and prestigious commercial property developments.

If you have a specific requirement for an air, environmental, energy or asset monitoring solution, contact us to learn more about how our precision monitoring technologies could help.

Specifications

Output voltage	3.6 / 5 Volts DC (switchable)
Output current	0.1 Amps (0.3 Amps Max)
Battery type	4 x Lithium-ion (Li-ion) 18650. Protected type cells are recommended
Battery capacity	Dependent on the battery make and model. Capacities range from 2,000Ah to 3,600Ah per battery. Batteries can provide over 6 months of operation without additional solar charging*
Protection	Charging over-voltage protection. Over-discharge protection (cut off <3V). Prevents charging below 0°C
Solar panel	5 Watts
Connection	Via provided cable
Temperature range	-10 to 50°C (14 to 122°F)
Humidity range	Range 0 – 100% RH (non-condensing)
Dimensions/IP/Weight	270 x 175 x 50mm / IP65 / 1060g (exc. batteries)
Mounting details	Stainless steel frame. Wall mount or via supplied U bolt for pole mounting. Max pole diameter 75mm

**Dependent on environment, installed sensors and setting*

About us

Synetica was established in 2008 with the simple idea to revolutionise air quality monitoring, energy usage and remote asset monitoring. Our global customer base relies on our expertise to help them reduce emissions and clean up the air they breathe by allowing them to monitor their energy usage and key environmental parameters via the touch of a button.

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