

# HELIOS

POWER SOLUTIONS



## THE SOL SERIES

DC POWER AND UPS SYSTEM  
WITH BATTERY BACKUP

# THE SOL SERIES

The SOL Series innovative and flexible design provides a reliable source of quality DC power for rugged and harsh environments with battery backup.

## Key Benefits and advantages of the Helios SOL Series

- + Cost-effective, fit for purpose standard power systems for most industrial applications
- + Rugged and Reliable solutions for challenging and Mission Critical Environments
- + Convection and fan cooled options to suit any environment
- + Remote measurement and control of critical processes
- + Same day pricing on most systems
- + Modular design philosophy gives more than 300 possible configuration options in an elegant 19in rack
- + Hot-swappable power modules
- + Designed, built and supported by Helios Power Solutions, a company with more than 30 years' experience in DC power systems



## KEY INDUSTRIAL APPLICATIONS

### SWITCHING FOR POWER UTILITIES

A quality source of DC power is essential for switching in substations where reliability and security are the main features for overall continuity of the operation.

THE SOL SERIES has been designed and aimed at providing utilities the ideal DC Power solution based on a perfect balance between reliability and cost, irrespective of the size of your switching network.

DC power supply remains stable and uninterrupted in the event of AC Power failure.



### OIL & GAS

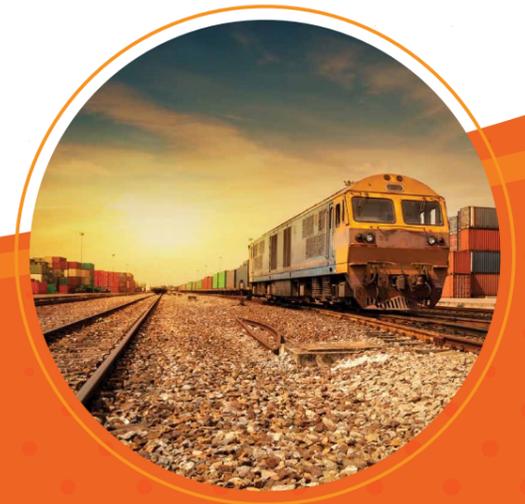
From our experience we understand that offshore or onshore, upstream or downstream the OIL & GAS sector has a need for continuous control processes which cannot afford to fail because of the environmental, social and economic consequences.

Reticulation of gas, water and petroleum requires continuous control using DC Power. Helios Sol series systems guarantee a reliable source of DC power, even in the event of AC grid failure.



### RAIL

Quality, backed up DC Power is needed throughout rail networks for switching, lighting control, signalling, automation, communication and security. DC Power components for the railway industry must offer safe and reliable operation even under extreme environmental conditions which include vibration, temperature extremes, dust, and EMC interference. THE SOL SERIES, with its convection cooled rectifiers, is designed to operate reliably in these challenging conditions.



## SOL Series Control and Communications



- + The Sol controller can manage the most demanding and advanced energy system applications.
- + A range of communication options including SNMP, TCIP and Modbus provide full monitoring and control remotely
- + The Sol controller uses external analogue and digital I/O peripherals to monitor and control all aspects of the system such as shunts, LVDs, Battery Profiles and loads
- + Comprehensive configuration settings can easily be changed through Ethernet, USB Ports and Touch Screen.

## SPECIFICATIONS

<b>Input Voltage</b>	176 to 320 [VAC]
<b>Output Voltage</b>	12, 24, 48, 110, 220 [VDC]
<b>Power</b>	250W to 18KW
<b>Batteries</b>	40 Ah to 210Ah

<b>Output Distribution</b>	Up to 44 AC or DC Breakers
<b>Communication</b>	SNMP, TCP/IP, MODBUS
<b>Interface</b>	USB, Ethernet, Touch Screen
<b>Cabinet Height</b>	12U to 47U

# THE SOL SERIES

Standard or Customised DC System Solutions

*If we don't have it, we'll design it to match your requirements!*



## The Helios Power Solutions Group

Helios Power Solutions is a privately owned group of companies with businesses in Australia, New Zealand and South East Asia. Helios Group companies are specialists in the design, manufacture and distribution of conventional and renewable DC and AC power systems. The Helios Group is an ISO9001 registered company with manufacturing capability in both New Zealand and Australia. Helios Group companies have been supplying DC and AC Power solutions to all industrial sectors for over 30 years.

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