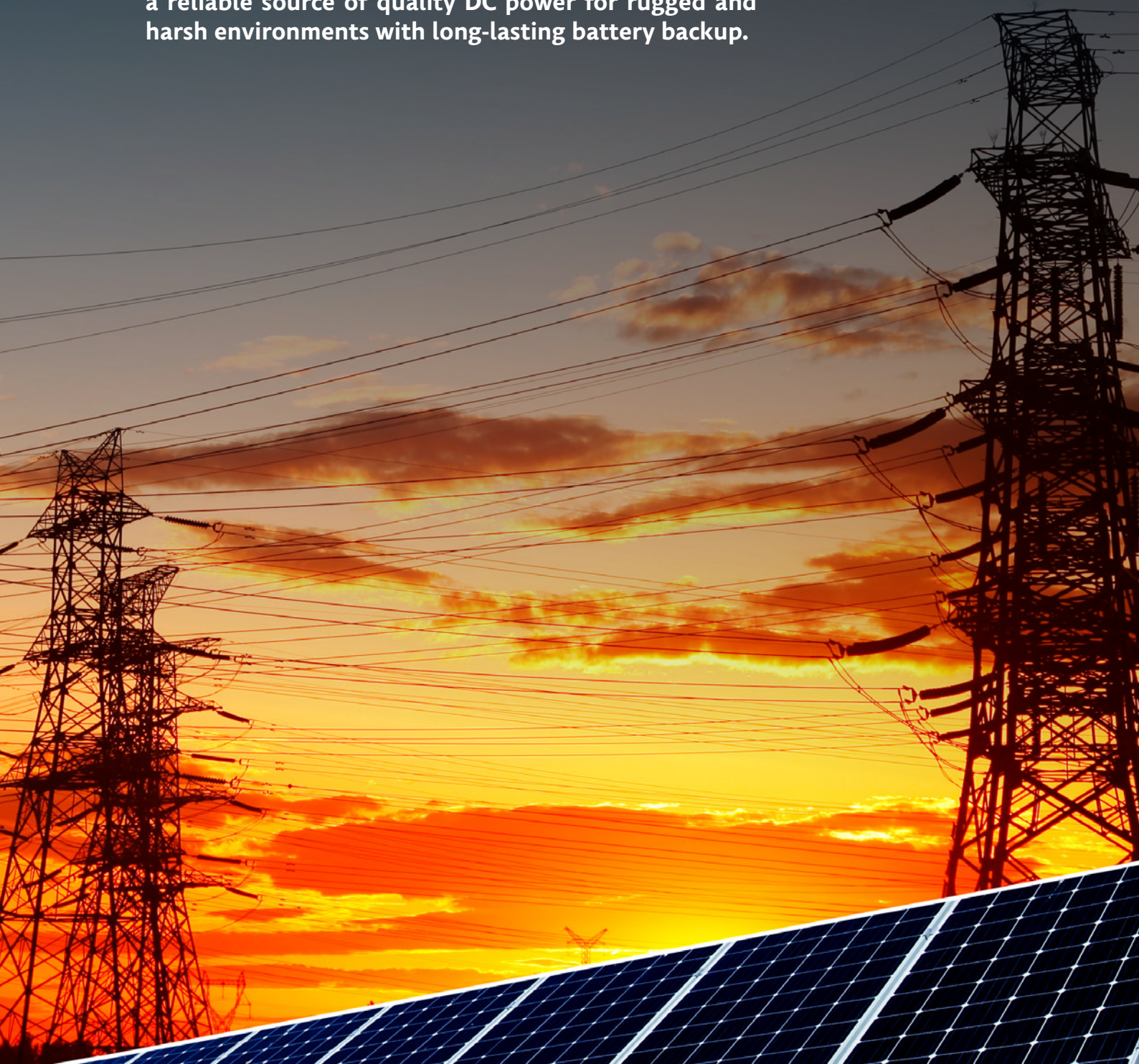




DC Power and Backup Systems

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



Adaptable Cost-effective Rugged and Reliable



Designed, built and supported by Helios Power Solutions, a company with more than 40 years of experience in DC power systems.

Key Benefits and advantages of the Helios SOL Series

- ✓ Cost-effective, fit for purpose standard DC power systems for most industrial applications
- ✓ Rugged and reliable solutions for challenging and mission critical environments
- ✓ Modular design philosophy gives more than 300 possible configuration options in an elegant 19in rack
- ✓ Can be integrated with modular AC-DC Inverters, DC-DC Converters and BMS
- ✓ Convection and fan cooled options to suit any environment
- ✓ Remote measurement and control of critical processes
- ✓ N+1 redundancy design
- ✓ Hot-swappable power modules
- ✓ Internal or external battery racks designed specifically for the backup time required of your application.
- ✓ Configurable battery connections, switch fuse, MCB or MCCB protected



**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, TCP/IP 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.

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Key Industrial Applications



DC Power Systems for Power Utilities

A quality source of DC power is essential for switching, control, metering, automation and communication systems in substations where reliability and security are the main features for the overall continuity of the operation. The SOL Series has been designed and aimed at providing utilities with the ideal DC Power solution based on a perfect balance between reliability and cost, irrespective of the size of your protected network.



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 Networks

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.

THE **SOL** SERIES

Technical Specifications



Input Voltage	230 to 415 [VAC]
Output Voltage	12, 24, 48, 110, 220 [VDC]
Power	250W to 18KW
Batteries	40 Ah to 210Ah
Output Distribution	Up to 44 AC or DC Breakers
Communication	SNMP, TCP/IP, MODBUS
Interface	USB, Ethernet, Touch Screen
Cabinet Height	12U to 47U

HELIOS



UNITED ARAB EMIRATES

AUSTRALIA

SINGAPORE

NEW ZEALAND



**World-class
engineering,
local focus.**



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 40 years.