

Key Features:

- 4000 MSW rated subsea housing
- 24V DC operation
- UN 3480 approved battery makes shipping lithium content easier
- Gigabit Ethernet
- Compatible with RTS Gen5 MUX
- Voltage, current, power and temperature monitored
- Capacity and status reporting via Ethernet
- Under and over voltage protection
- Temperature and current surge protection
- Short circuit/reverse polarity protection
- Battery condition/replacement indicator
- Secondary output for DVL, Digiquartz, MiniSVS etc.

Key Benefits:

- Saves ROV operational time during DC power trips
- Delivers smooth conditioned power for noisy DC input
- Example capacity: The SUPS can power a PHINS, 1200 kHz DVL, Digiquartz, MiniSVS for 100 minutes

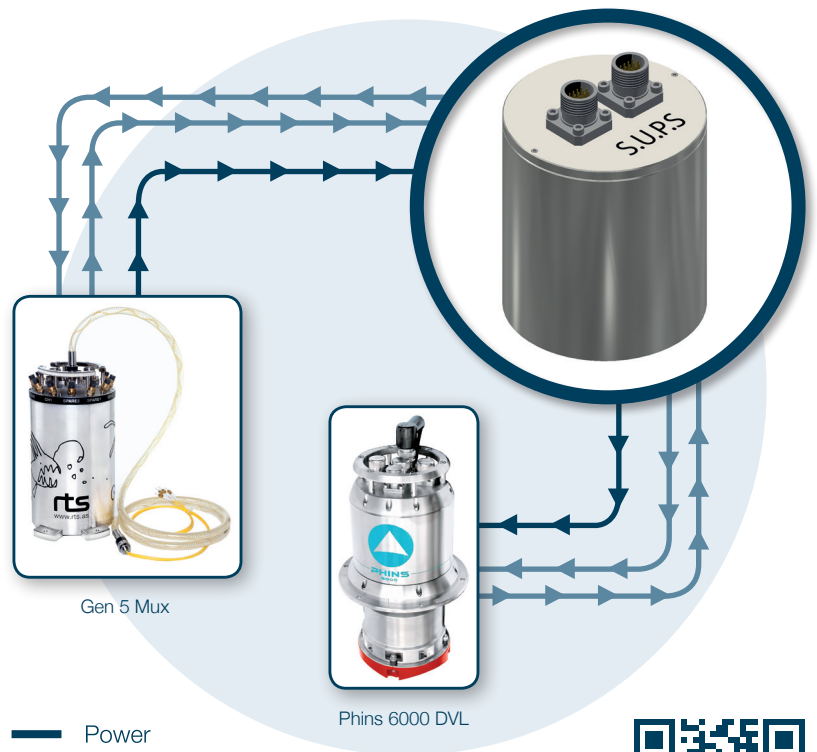
S.U.P.S

Seatronics Uninterruptible Power Supply

Designed to reduce survey sensor downtime during ROV power outages, the **Seatronics Uninterruptible Power Supply (SUPS)** is capable of maintaining power to an **Inertial Navigation System** or ancillary sensor system for up to 100 minutes. The result of a simple DC trip could result in the mandatory realignment phase being conducted; taking up to 45 minutes, the SUPS system would remove this lost time.

Designed to be fully compatible with all standard survey sensors:- ROVINS, PHINS, RDI DVL and with seamless integration with the Gen 5 Multiplexer. Internal batteries conform to UN3480 requirements to allow for safe shipping.

The design features a web-based reporting tool for all performance aspects of the design which includes Battery capacity and time remaining reported along with current, voltage, temperature and overall system status.



— Power
— Ethernet

Images not to scale



The system uses a 3 port 1G Ethernet to communicate externally and a 10/100 internal bus to communicate with the host monitoring system in real-time and reporting to a web based interface. The design uses high quality components which are fully certified to external standards for CE and EMC allowing full industry compliance.

The SUPS housing is 4000 MSW depth-rated housing and uses Burton 5506-2013 connectors. For those users with an RTS Gen5 Mux, compatible pin out connections to CH11 exist, making for a simple integration. A secondary output can be configured to disconnect automatically at a user-specified battery discharge level to conserve power for the primary output.

The system can be configured and monitored from the topside GUI on the same control computer as the survey peripheral.

Specifications

Input	Nominal	24V DC
	Minimum	19V DC
	Maximum	26.4V
Output	Nominal	24V DC, 6.5A
	Minimum	22.8V DC
	Maximum	25.2V DC
Startup Current	Maximum	10A for 30ms or 12A for 4ms
Battery	Nominal	14V DC
	Minimum	12V DC
	Maximum	16.8V DC
Capacity	Maximum	97.2WHR

