



SVS-708-800 and SVS-709-800 Power Supplies

The SVS-708-800 Surface Power Supply and SVS-709-800 SubSea Power Supply bring smart power management capabilities that extend the available power and umbilical power transmission capabilities for Inspection Class ROVs such as the Saab Seaeye Falcon, Observation Class vehicles such as the Blue Robotics BlueROV2 and many others.



The SVS-709-800 SubSea Power Supply has been designed from the ground up to exploit the latest in high power solid state electronic components that enable rapid response to the dynamic current draw of challenging ROV operations. This allows operation over a much broader voltage range with greatly improved reliability.

The capability of the system to condition input voltage as needed enables painless swapping between umbilicals as short as 50 meters to as long as 5km without having to calculate and correct voltage

compensation gain settings as required in conventional power supply systems.

And, the next-generation electronics included with the SVS-708-800 Surface Power Supply unit provides real-time monitoring of power supply and tether performance, enhancing the capabilities of ROVs for demanding inspection and tooling operations. The SVS-708-800 Surface Power Supply displays:

- input, minimum and maximum voltage
- voltage drop
- power draw and current draw
- temperature
- power losses in the tether in real-time on the front panel of the rack mount surface supply unit

The capability of the SVS-709-800 SubSea Power Supply to deliver 3.6kW (nearly doubling the 2kW power of the standard Falcon supply) through umbilical lengths up to 5km opens a wealth of possibilities. Longer tethers, more thruster power (or more thrusters), more power for tooling equipment or additional sensors, or slimmer umbilicals (with reduced conductor gauge requirement) are all made practical by the higher voltage smart power capabilities of this system.





SVS-708-800 Surface Power Supply

Input Voltage:	180-260 VAC, 47-63 Hz, 32 amps
Output Voltage/Power:	800 VDC/6kW
Data Display:	Output voltage - actual, min, max Output current - actual, min, max Output power - actual, min, max Input voltage at VPSU - actual, min Input current at VPSU VPSU power - actual, max Tether losses- watts, voltage drop Temperature, Leak alarm
Max Reset Button:	Resets min and max readings and leak alarm
Dimensions:	3U x 17" D, 19" W in shock-mount rack case
Operating Temperature:	-20C to +65C
Safety Feature:	Line insulation monitor

SeaView Systems, Inc. designs, manufactures and operates remotely operated vehicles, electronics and other custom hardware/software tools, including oceanographic instruments, custom remotely operated vehicles and tooling systems, to meet oceanographic and underwater robotic applications.

SVS-709-800 SubSea Power Supply

Input Voltage:	600-800 VDC
Output Voltage/Power:	48VDC/3.6kW (other voltages available)
Depth Rating:	300m or 1000m
Operating Temperature:	-20C to +70C in water
Data Comms:	RS485
Data Output:	Input voltage Minimum voltage Maximum voltage Input current Input watts Internal temperature Leak alert

For more details or supplemental media, please email SeaView Systems at info@seaviewsystems.com