



SVS-708-400 and SVS-709-400 ROV Power Supplies

The SVS-708-400 Surface Power Supply and SVS-709-400 SubSea Power Supply bring smart power management capabilities that extend the available power and umbilical power transmission capabilities for Observation Class vehicles such as Blue Robotics BlueROV2, custom vehicles and many others.



(photo is a representation of the power supply)

The SVS-709-400 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 opens a wealth of possibilities such as longer tethers, more thruster power (or more thrusters), more power for tooling equipment or additional sensors, or slimmer tethers (with reduced conductor gauge requirement). These are all made practical by the higher voltage smart power capabilities of this system.

In addition to the standard output voltages (16, 24, and 48V) provided by the off-the-shelf VPSU configurations, the output voltages can also be configured to specific values as required for particular applications.

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-708-400 Surface unit enhances the capabilities of ROVs for demanding inspection and tooling operations. The SVS-708-400 Surface Power Supply displays:

- Output voltage
- Output current
- Line insulation resistance

The SVS-708-400 Surface Power Supply is available in 3kW or 6kW configurations. The SVS-709-400 SubSea Power Supply is available in 2kW, 3kW or 4kW configurations and the outputs are isolated from one another.

SeaView's vast field experience with marine electronics and sophisticated electronic design combine in the leading-edge capabilities of the SVS-708-400 Surface Power Supply and SVS-709-400 SubSea Power Supply.

Check with SeaView today to see how the SVS-708-400 Surface Power Supply and SVS-709-400 SubSea Power Supply can extend the range and power capabilities of your existing vehicle and revolutionize your custom vehicle design.



SVS-708-400-3k and SVS-708-400-6k Surface Power Supply

Input Voltage: 3kW 6kW	200-240 VAC, 47-63 Hz, 16A@230 VAC 200-240 VAC, 47-63 Hz, 32A@230 VAC
Output Voltage/Power:	400 VDC 3kW or 6kW
Output Current:	7.5A or 15A
Insulation Monitoring:	Megacon KPM169
Display:	Voltage, Current and Insulation Resistance Panel Meters
Dimensions:	3U x 17" D, 19" W in Shock-Mount Rack Case
Protection:	Over Voltage, Over Current, Short Circuit, Over Temperature, Fan Failure

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.

For more details or supplemental media, please contact SeaView Systems at info@seaviewsystems.com or +1 (734) 426-8978

Product details are subject to change.

SVS-709-400-2k, SVS-709-400-3k and SVS-709-400-4k SubSea Power Supply

Input Voltage:	160-420 VDC
Output Voltage:	16.5, 24 or 48 VDC*
Output Power Configs: SVS-709-400-2k-16 SVS-709-400-2k-24 SVS-709-400-2k-48	2kW 400V SubSea 16.5VDC, 2x60 Amps 2kW 400V SubSea 24VDC, 2x40 Amps 2kW 400V SubSea 48VDC, 1x40 Amps
SVS-709-400-3k-16 SVS-709-400-3k-24 SVS-709-400-3k-48/24	3kW 400V SubSea 16.5VDC, 3x60 Amps 3kW 400V SubSea 24VDC, 3x40 Amps 3kW 400V SubSea 48VDC (1x40 Amps) & 24VDC (1x40 Amps)
SVS-709-400-4k-16 SVS-709-400-4k-24 SVS-709-400-4k-48/24	4kW 400V SubSea 16.5VDC, 4x60 Amps 4kW 400V SubSea 24VDC, 4x40 Amps 4kW 400V SubSea 48VDC (1x40 Amps) & 24VDC (2x40 Amps)
SVS-709-400-4k-48	4kW 400V SubSea 48VDC, 2x40 Amps
Depth Rating:	600m
Physical Characteristics: SVS-709-400-2k SVS-709-400-3k SVS-709-400-4k	112mm OD x 200mm 112mm OD x 200mm 112mm OD x 200mm 3.5kg (air); 1058g (water); 985g (sea water)
Protection:	Over Voltage, Under Voltage, Over Current, Short Circuit and Over Temperature
Bulkhead Connectors:	2kW/3kw: Input 1 x MCBH3M 4kw: Input 1 x BH5M Output 4 x Cobalt C14-1140-SS

* output voltages can also be customized to specific values