

# BlueLink SPS

Modular Surface Power System for Small ROVs

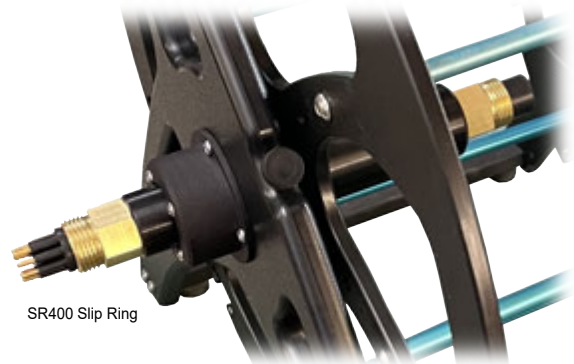


The BlueLink Surface Power System is a drop-in upgrade to a standard Blue Robotics BlueROV2 (or similar ROVs) and replaces the entire battery housing with a shorter and lighter unit that provides up to 1200 Watts of continuous power. The latest in high reliability industrial power supply components are used in the subsea flatpack and the 15VDC output is drop-in compatible with the existing ROV. The ruggedized SPC (Surface Power Console) with Ground Fault Circuit Interrupter (GFCI), Isolated Power Output combined with a custom shielded tether provide better safety than most units in this class. The system ships with Baromax 8-pin Wetmate connector tether quick disconnect and kellys grip as standard, with Baromax 8-pin Wetmate connector on the surface end. The SPC case also includes a FathomX interface board preinstalled with Ethernet RJ45 connection on the side panel. The SPC case can be customized to include additional Ethernet or RS485/232 converters if required.

Surface Power Console	SPC Models 1, 2 & 3
Input Power	120/240 VAC, 50/60Hz
Output Voltage	380VDC (Nominal)
Output Current	3.6A Max. @ 120VAC 6.3A Max. @ 240VAC
Output Watts	1400W @ 120VAC 2400W @ 240VAC
Dimensions	Nanuk 940 Case 21.7" x 16.9" x 8.5"
Weight	45 - 50lbs (20.4 - 22.7kg)
Safety Features	Isolated Power Output GFCI Detect 5ma <20ms Emergency STOP Button IMCA D 045, R 015 Compliant
Vehicle Power Supply	VPS1200
Output Voltage	15VDC
Output Power	1200W
Input Voltage	200VDC to 420VDC
Depth Rating	300m (984ft)
Tether Connector	Baromax, 8-pin, Male, Wetmate
Safety Features	Over Current Protection Thermal Shutdown Under & Over Voltage Protection Fault Detection
Tether	SR400
Diameter	0.35in (8.9mm) Nominal
Conductors	2*22AWG 2*2*26AWG STPs Overall Shield 400V Rated
Max. Length	300m (1640ft)
Breaking Strength	550lbs (250kg)
Jacket	Smooth Polyurethane
Subsea Termination	Baromax, 8-pin, Female, Wetmate
High Voltage Slip Ring	SR400
High Voltage Passes	2*400V @ 10A
Communication Passes	6*75V @ 2A (6 Unused Passes)
Standard Connectors	Baromax, 8-Pin, Wetmate
Environmental	IP68



Surface Power Console  
Model 3



SR400 Slip Ring



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 BlueLink, L.L.C. has a CRADA with Hybrid Robotics, Inc. for Research, Development & Manufacturing  
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