

SPU-500

BlueROV2 Surface Power Unit by BlueLink, LLC



The BlueLink Surface Power Unit 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 500 Watts of continuous power. The latest in high reliability industrial power supply components are used in the subsea bottle and the 15VDC output is drop-in compatible with the existing ROV. A ruggedized SPU topside unit with industry leading Megacon Line Isolation Monitor (LIM) and Ground Fault Circuit Interrupter (GFCI), combined with a custom shielded tether provide better safety than most units in this class. The system ships with Subconn mini 8 pin connector tether quick disconnect and kellys grip as standard, with Binder 696 connector on the surface end. The SPU case also includes a FathomX interface board preinstalled with Ethernet RJ45 connection on the front panel. The SPU case can be customized to include additional Ethernet or RS485/232 converters if desired.



Surface Power Unit	Pelican 1507 Case
Input Power	120/240 VAC, 50/60Hz
Output Voltage	300VDC (Nominal)
Output Current	2.5A Max.
Dimensions	Pelican 1507 AIR case
Weight	35lbs (15.9kg)
Safety Features	Megacon Line Isolation Monitor GFCI Emergency STOP Button Keyed Lockout
ROV Power Unit	3" Dia X 4.25" L
Output Voltage	15VDC
Output Power	500W
Input Voltage	170VDC to 420VDC
Depth Rating	500m (984ft)
Incoming Power Connector	8-pin Male Micro
Safety Features	Over Current Protection Thermal Shutdown Under Voltage Protection
Tether	
Diameter	0.34in (8.6mm)
Conductors	2*22AWG + 2*26AWG + Shield
Max. Length	300m (1640ft)
Breaking Strength	550lbs (250kg)
Jacket	Smooth Polyurethane
Subsea Termination	8-pin Female Micro

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