

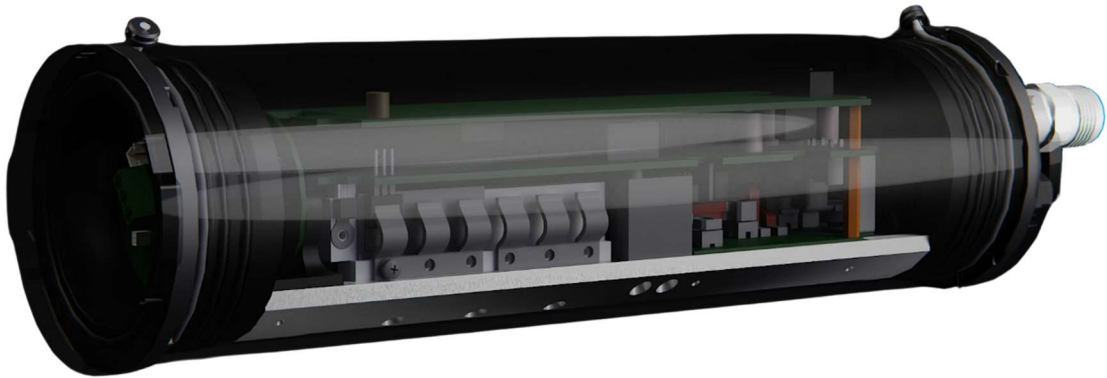
PRODUCT FEATURES



- Wide input voltage range: 200Vdc ~ 750Vdc
- Output voltage: 14Vdc or 28Vdc (Custom on request)
- Rated power output: 1500W, Peak: 1800W
- High efficiency: $\geq 92\%$ (η_{max})
- Thermal Protection
- Overcurrent Protection
- Short Circuit Protection
- Over/under Voltage Protection
- Suitable for brushless motors application
- Inrush current control: $\leq 8A@DC750Vdc$
- Metalshell CRE-Marine BRA03M Bulkhead
- Standard 3" – 300mm Bluerobotics enclosure
- 950m depth rating
- Two year manufacturers warranty



Applications: ROV and general underwater use



PART NUMBER

Format: VPSU001-750-1800-XX

Type	Max Input Voltage	Max Output Power	Output Voltage
VPSU001	750: 200-750Vdc	1800: 1800 Watts	14: 14 Vdc
			28: 28 Vdc

SPECIFICATIONS

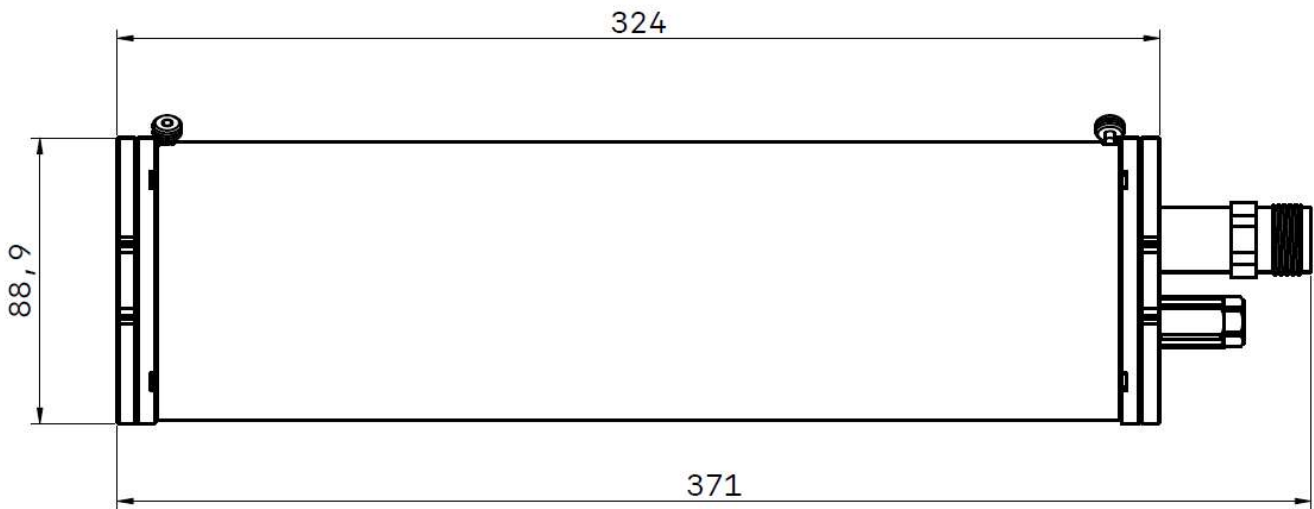
Electrical	Max Input power	4.9 A @ Vin = 400Vdc (Peak Power)
	Input Voltage Range	200-750Vdc
	Rated Output Power	700W @ Input (200Vdc -299Vdc) 1500W @ Input (300Vdc -750Vdc)
	Peak Output Power	1800W @ Input (399Vdc -750Vdc)
Working condition	Depth Rating	950m
	Storage Temperature	-10°C to +60°C
	Operating Temperature	0°C to +40°C
Mechanical	Models	All VPSU001
	Dimensions	88,9 mm diameter, 324 mm length (excluding connector)
	Weight	2,4Kg in air (0,4Kg in fresh water)
	Housing Material	Hard anodized (>50um)- 6082 aluminium
Connectors	Power Input	Bulkhead CRE-Marine BRA 03 M
	Power Output	2 x 11AWG (Positive & Negative) with M10 WetLink Penetrator Custom on request

Specifications subject to change without notice.



* WARNING: Unit surface may become very hot to the touch during operation. Do not operate the unit in air for more than 5 minutes.

OVERALL DIMENSIONS



TYPICAL PINOUT

Power Input
BRA03M

3 WAY
600 VDC



Pin 1 = Earth
Pin 2 = -HV (0V)
Pin3 = +HV