

## PRODUCT FEATURES



- Wide input voltage range: 200Vdc ~ 700Vdc
- Output voltage: 25 Vdc
- Rated power output: 3000W
- High efficiency:  $\geq 94\%$  ( $\eta_{max}$ )
- Thermal Protection
- Overcurrent Protection
- Short Circuit Protection
- Over/under Voltage Protection
- Suitable for brushless motors application
- 8 x Blue Robotics Basic ESC
- Inrush current control:  $\leq 6.5A@DC700Vdc$
- Metalshell CRE-Marine BRA08M Bulkhead
- 300m depth rating
- Two year manufacturers warranty

Applications: ROV and general underwater use



PART NUMBER – VPSU003

### SPECIFICATIONS

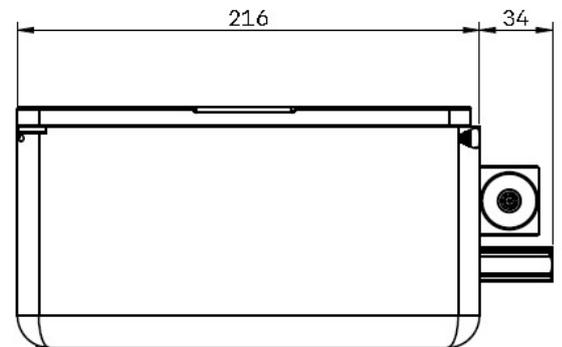
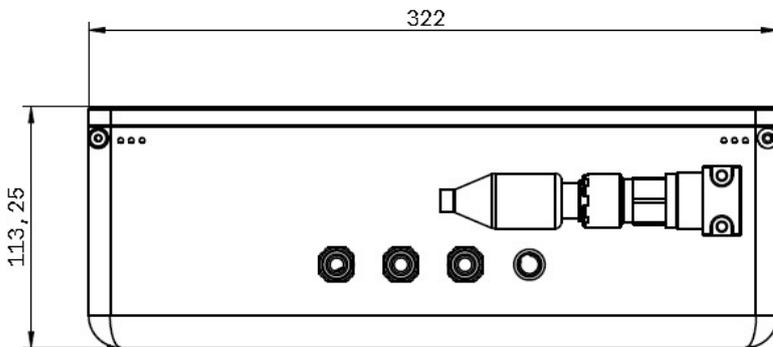
<b>Electrical</b>	Max Input power	14,5 A @ Vin = 270Vdc (Peak Power)
	Input Voltage Range	200-750Vdc
	Rated Output Power	1500W @ Input (200Vdc -284Vdc) 3000W @ Input (285Vdc -700Vdc)
<b>Working condition</b>	Depth Rating	300m
	Storage Temperature	-10°C to +60°C
	Operating Temperature	0°C to +40°C
<b>Mechanical</b>	Models	VPSU003
	Dimensions	322 x 216 x113,25 mm (excluding connector)
	Weight	11Kg in air (7Kg in fresh water)
	Housing Material	Hard anodized (>50um)- 6061-T6 aluminum
<b>Connectors</b>	Power and Signal Input	Bulkhead CRE-Marine BRA 08 M
	Power Output	ROV Electronic Enclosure Power on 1 x BluePen-M10 with waterblock. Max Power 350W 8 x ESC output on 8 x M14 holes (suitable for 8 x Blue Robotics T500)
	Signal	ROV Data + spare on 1 x BluePen-M10 with waterblock 8 x ESC input on 1 x BluePen-M10 with waterblock

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 BRA08M

PIN FACE VIEW  
8 WAY  
600 VDC



- Pin 1 = +HV
- Pin 2 = -HV (0V)
- Pin 3 = Earth
- Pin 4 = Blue
- Pin 5 = White/Blue
- Pin 6 = Orange
- Pin 7 = White/Orange
- Pin 8 = N/C