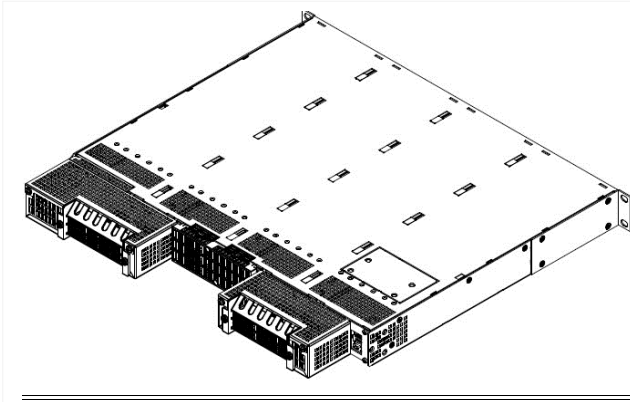




Power Rack 24V Marine Flat pack 2 24/2000)

DNV approved Power Rack designed for offshore and marine applications.

Compatible with Flatpack 2 standard and HE modules.



MANAGING RISK

DNV

Designed for marine and offshore applications.

Design features

In the maritime and offshore market there is a need for special shielded power supply. To accommodate this Eltek Valere redesigned the Flatpack 2 Power Rack with added filters to ensure stable power supply without generating HF noise to the mains supply.

CAN communication

All communication between the rectifier modules is done using a CAN bus, this ensures load sharing and communication with the Smartpack controller. All CAN communication is built into the back plane of the Power Rack.

Full power and compact size

The Power Rack has a standard mounting with of 19" and only uses 1U of rack space. Each Power Rack can hold up to four rectifiers and has a maximum power rating of 8kW.



Power Rack C20401.000

Additional Technical Specifications

AC Input	
Voltage	85 – 300Vac
Frequency	45-66Hz
Maximum Current	52A
Power Factor	N/A
Input Protection	HF Filter

DC Output	
Voltage	24Vdc or 48Vdc
Output Power	Max 8kW
Maximum Current	333A
Current Sharing	Built in CAN bus for Flatpack 2
Static voltage regulation	Ref. datasheet for the rectifier
Dynamic voltage regulation	Ref. datasheet for the rectifier
Hold up time	Ref. datasheet for the rectifier
Ripple and Noise	Ref. datasheet for the rectifier
Output Protection	- o AC Filter - o DNV Approved

Other Specifications	
Efficiency	Ref. datasheet for the rectifier
Isolation	Ref. datasheet for the rectifier
Alarms:	Ref. datasheet for the rectifier
Warnings:	Ref. datasheet for the rectifier
Visual indications	Ref. datasheet for the rectifier
Operating temp	-40 to + 75 °C
Storage temp	-40 to + 85 °C
Cooling	Ref. datasheet for the rectifier
Fan Speed	Ref. datasheet for the rectifier
MTBF	N/A (Contains only passive components)
Acoustic Noise	Applies to: IEC 60945 Clause 9.2 IEC 60945 Clause 9.3
Humidity	Operating: 5% to 95% RH non-condensing Storage: 0% to 99% RH non-condensing
Dimensions	482,5 x 44,4 x 431,05mm x (W x H x D)
Weight	4 kg

Applicable Standards	
Electrical safety	EN 60950
EMC	IEC 60945 Clause 9.2 IEC 60945 Clause 9.3
Mains Harmonics	N/A
Environment	Humidity Location class: B Vibration Location class: A

Specifications are subject to change without notice

C20401.000- v1

Ordering Information

Part no.	Description
C20401.000	FP2 1U PR 4AC HC Marine G2

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