



On-board DC/DC converter racks

Transformation of direct voltage into variable direct voltage
Dedicated to applications in strict environments (submarines, ...)
Compact, discrete, adaptive
Networks for navigation systems

CHARACTERISTICS

- Power supply by a direct network 200V_{DC} to 500 V_{DC}
- Local and remote control on/off
- Local and remote monitoring of defects and failures
- EMC: GAM-EG 13C
- IP55 protection
- Output voltage setting
- Opportunity of output voltage parallelization



2x1kW rack

SPECIFICATIONS

Ambient hygrometry
Ambient temperature
Vibration

90%
0°C + 55°C
0,1 to 1Hz; a=50mm
peak to peak
1 to 5Hz; g=100mg
5 to 22Hz; a=2mm
peak to peak
22 to 50Hz; g=100mg

Shock
Acoustic noise
Harmonic distortion rate
Input voltage band
Number of available output
Efficiency

15g – 11ms
<85dbA
<3%
154V ≤ U_s ≤ 186V
2
>90% at nominal power
>75% at nominal power/4
>100MΩ under 500V
Voltage shocks at the input
Short-circuit
Overvoltage and undervoltage
Inrush currents
Electrical overload
Polarity reversion at the input
Heating



2x35kW rack

POWER	INPUT VOLTAGE	HEIGHT IN MM	WIDTH IN MM	DEPTH IN MM	WEIGHT IN KG	COOLING
2x1kW	170V ±1%	1050	600	510	165	air
2x35kW	170V ±1,5%	1700	600	800	700	water (7l/min)

Data are given by way of illustration and are liable to be modified without notice