

# On-board DC/AC static converters

- Transformation of direct voltage into variable alternative voltage
- Dedicated to applications in strict environments (submarines, ...)
- Compact, discrete, adaptive

## CARACTERISTIQUES

Power supply by a direct network 200V<sub>DC</sub> to 500V<sub>DC</sub>  
 Local and remote control on/off  
 Local and remote monitoring of defects and failures  
 EMC: GAM-EG 13C  
 IP55 protection  
 Output voltage and frequency setting

## SPECIFICATIONS

Hygrometry	90%
Temperature	0°C / +55°C
Vibration	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	15g / 11ms
Acoustic noise	<85dbA
Harmonic distortion rate	Hg<3%
Efficiency	>90%
Galvanic insulation between output and input	>100MΩ under 500V
Protections against	Voltage shocks at the input Short-circuits Overvoltage and undervoltage Inrush currents Electrical overload Polarity reversion at the input Heating



6,5kVA



8,5kVA



25kVA

POWER	5kVA	6,5kVA	8,5kVA		25kVA	60kVA
Output voltage	115V ±2% three-phase	115V ±1% three-phase	118V ±2% three-phase	235V ±2% mono-phase	235V ±2% three-phase	115V ±2% three-phase
Output voltage band	111V ≤ U <sub>s</sub> ≤ 119V	111V ≤ U <sub>s</sub> ≤ 118V	110V ≤ U <sub>s</sub> ≤ 125V	223V ≤ U <sub>s</sub> ≤ 247V	219V ≤ U <sub>s</sub> ≤ 251V	111V ≤ U <sub>s</sub> ≤ 119V
Output frequency	400Hz ±0,5%	60Hz ±0,5%	60Hz ±0,5%	60Hz ±0,5%	60Hz ±0,5%	60Hz ±0,5%
Output frequency band	58Hz < f < 62Hz	58Hz < f < 62Hz	50Hz < f < 70Hz	50Hz < f < 70Hz	50Hz < f < 70Hz	58Hz < f < 62Hz
Available outputs	1	5	6	6	10	1
Height in mm	600	850		850	1700	1700
Width in mm	670	600		600	594	800
Depth in mm	550	800		800	800	600
Weight in kg	160	350		330	495	780
Cooling	air	water (5l/min)		water (4l/min)	water (10l/min)	air

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