



Rua Augusto Marques Branco, Lote 21-A

Phone: +351 234 946 000 Fax: +351 234 946 007 GPS: N40°34'20'', W8°33'48'' sinepower@sinepower.pt www.sinepower.com

SPECIFICATIONS

INP	JT
3 phase 400V/415V AC	±15% *
45Hz up to 65Hz	
Input current harmonics	<2% @ Full Load

OUTPUT	
3 phase 200V AC -400Hz	±1% *
Overall Efficiency	90%-95%
Max. Crest Factor	1.4:1

RECTIFIER	
4 Quadrant Operation	
AC Voltage Range	-25% +10%
Efficiency	%95%-97%
Input Frequency Deviation	10%
Overload Capacity	120% Continuous
Inrush Current	None
Overall current limit	150%

INVERTER		
Static Regulation 0 - 100% load	± 1%	
Dynamic regulation 100%	5%,recovering to 1% within 20ms	
Total harmonic distortion	Better than 3% (Linear Load)	
Electronic Limit Overload	120%@600s; 150%@60s; 200%@5s**	
Overload Capacity (IGBTs)	150% Continuous	
Frequency stability	±0.01% Crystal Controlled	
Load power factor	0-1	
Efficiency	95%-98%	
Short circuit proof by electric current limiting and shutdown		

ENVIRONMENTAL CONDITIONS		
Temperature range		
Sea Level	-40°C to +50 °C(@100% Load)	
Above 2000m	30 °C (@100% Load)	
Relative Humidity	0%-90% without condensation	

Noise Level <65 dBA@1 meter

Altitude up to 2500 m without de-rating

- * Other voltages and frequencies available on request (dimensions may change)
- ** Other Electronic Overload limits available on request









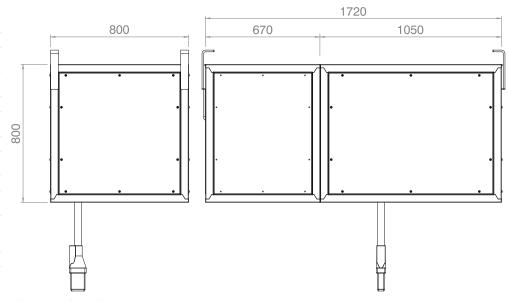




TECHNICAL DRAWINGS

CABLE COIL

Main input power	
from GPU to aircraft	90 kVA
Max. output current	260A
Input power for cable drum to work	50/60Hz 400/220V
Input current not more than	16A
Cable winding speed	37.5 m/min
Cable unwinding speed	37.5 m/min
Cable length	24m***
Power of the reactor motor	0.55kW
Degree of protection	IP55
Environmental conditions temperature value	s, Standard -20 to +40 C°
Control	Remote control/ directly from aircraft connector
Dimensions LxWxH	1050x800x800mm
Weight	250Kg



*** Other lengths are available on request (dimensions may change)



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