

STACTIC GROUND POWER UNIT

AIRCRAFT MAINTENANCE
400Hz + 28VDC SUPPLY



Our Ground Power Unit integrates a frequency converter and DC power supply in a mobile casing and can be manually or mechanically towed.

Models from 10 to 120KVA for fixed or mobile version

Civilian or military models



MAIN TECHNICAL SPECIFICATION

INPUT

- Voltage supply: 3 x 400 VAC \pm 10% 3-phase
- Frequency: 50 or 60 Hz
- Electric current requirement at rated power: 58 Amps
- Max. electric current starting requirement: 133 Amps

OUTPUT

3 x 200Vac 400Hz

- Rated voltage: 115 / 200Volts \pm 1,5 %
- Rated frequency: 400Hz
- Rated power: 20KVA cos phi 0,8 to 1
- Global distortion rate in voltage < 3 %
- Individual distortion rate in voltage < 2 %
- Voltage & frequency modulation: standard NF EN 2282

28Vdc 300A / 1500A

- Rated voltage (cables end): 28V \pm 0,5 Volts
- Voltage setting range: 18V à 33V
- Rated intensity: 300 Amps
- Starting intensity: 1500A / 2sec – 600A / 10sec
- 5 intensity limitation selections: 400A – 800A – 1000A – 1400A – no limitation
- Residual ripple: standard NF EN 2282

STANDARD

- CE Mark / EN6950-1
- GAM EG13 (shock A43 test, vibration A42 test, salt fog A04 test...)
- EN55022

PRESENTATION

- Mobile platform assembled on solid wheels, nose wheel steering with coupling bar for manoeuvre by an operator or a tractor
- Energy conversion cell 3 x 200V 400Hz
- Energy conversion cell 28Vdc 300A
- Central operating, setting and signalling console.
- Cables set to connect 50Hz supply network and 3 x 200V 400Hz and 28Vdc uses
- Two side pans for cable storage

AC supply

- 1 flexible cable 4 wires (3 phases + earth wire), 16 mm², 20 m length with HYPRA 63A connection plug
- Use 3 x 200 VAC 400 Hz: 5 flexible cables assembled (3 x phases + Neutral + E and F signals), 5 x 35 mm² + 2 x 2,5 mm², 10 m length with plug according to NFL 54-565

Utilisation 28 Vdc 300A / 1500 A

- 2 soft cables 1 conducting (polarities +/-), 2 x 120 mm², 10 m length with plug according to NFL 54-555

ENVIRONNEMENTAL SPECIFICATIONS

- Operating temperature: -20 to 50°C
- Permanent outside operation

MECHANICAL SPECIFICATIONS

- Height 1300 mm
- Width 1370 mm
- Length 2140 mm
- Weight 740 kg (incl. cables)



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