



28 Vdc POWER SUPPLY ADAPTED TO THE NEW GENERATION AIRCRAFT & ROUGH AIR SIDE OPERATION CONDITIONS

APU OFF

SC20

Our expertise in power electronics and electromagnetics for 50 years, and cooperation with airlines and aircraft manufacturers, enables us to guarantee you electrical power at 28 Vdc for very reliable, efficient, and measurable aircraft power supply. GUINAULT power supply provides the power supply at the lowest cost for the aircraft of today and tomorrow.

STURDY DESIGN: GUINAULT SC20 is designed with an ultra corrosion resistant galvanized chassis, designed for rough conditions. The cooling airflow is fitted with fine granulation air filters. The SC20 is all weather resistant, for operation indoor and outdoor, from - 30°C to + 55°C.

REDUCED MAINTENANCE: The maintenance is limited to the air filter cleaning or replacement, once a year.

RELIABILITY: The design is based on robust thyristors, air cooled power pack, and IP 55 design ensures the highest reliability.

SIMPLY OPERATION: The operation is limited to pushing an ON-OFF button to get the power at the plug.

MILITARY SPECIFICATION DESIGN: In option, the unit is fitted with reinforced Electromagnetic Compatibility according to MIL-STD-461. The MIL SPEC SC20 is certified according to MIL-STD-461.

POWER OUTPUT: The power quality complies to all applicable, including MIL-STD-704F, SAE ARP 5015, and complies with all aircraft requirement.

Specifications

SC20 (28 Vdc)

INPUT	Voltage	400 V 3 Phases + Earth (+/- 10 %)
	Current	50 or 60 Hz (other voltages available in option) 48 A (at 400 V / 50 Hz)
OUTPUT	Voltage	28 Vdc - adjustable from 22 to 32 Vdc for test purposes with configurable output current limit
	Current	600 A continuously - 2000 A peak / 20 V
	Performance	Voltage ripple at 450 A 28 Vdc < 0.5 V RMS
DIMENSIONS AND WEIGHTS	Weight (Kg)	450 with cables
	L x W x H (mm)	1690 x 956 x 1190

SAFETY FEATURES

- Over/Under voltage
- Output overloads
- Input electrical failures (U, f)

MAIN CHARACTERISTICS AND OPERATIONS

- Easy operation on the control pannel (U, I displayed)
- Tow-bar
- 28 Vdc cable - 10 m length with standard ISO 461 plug
- Cable storage roof basket (on top of unit)
- Standard operating temperature: - 30°C to + 55°C
- Indoor or outdoor operation
- Galvanized steel chassis
- Color: white RAL9010
- Noise level: < 65 dB (A)

OPTIONS

- Trolley with cable storage
- Deep cold operation kit (- 30°C)