

GROUND POWER UNIT



Nonstop Performance.



28.5V/300A DCGPU-MIL

DCGPU-MIL

 DC-GPU 28.5V/300A from Aplab is a mobile, military grade, DC GROUND POWER UNIT, with a low ripple 8550W DC source to support your most demanding DC equipment.

- DC-GPU 28.5V/300A provides continuous rating of 300A and peak current rating of 2000 A for 5-6 seconds
 during engine starting for all your stringent defence aviation. The important is, this stringent high current
 requirement is met without battery support. This reduces maintenance cost considerably, as batteries need to be
 replaced every 2-3 years of operations.
- DC-GPU 28.5V/300A has industry leading reliability. Our MTBF numbers are some of the highest in the industry.
- Aplab's award winning pan-India service support means reduced down-times for you!
- Built-in Galvanic isolation ensures clean power is always supplied despite any input power disturbances
- DC-GPU 28.5V/300A clean power will ensure that your equipment will always operate under optimal power conditions, which will increase your equipment life.

Technical Specifications

Input Voltage	400V ±10% 3 phase 50Hz AC Supply.
Output	28.5V DC.
Voltage Variation	±1V (from No load full load).
Ripple Voltage	
Voltage Adjustment	26V to 30V.
Output Current	300A (continuous).
Peak Starting Current	2000A for 5 to 10 secs with output voltage hold at 22V or greater during engine starting at the output cable end near helicopter external power socket.
Protections	 a) Under voltage trip at 18V ±0.5V with 5 sec delay to take care of short time overload during engine start. b) Over Voltage trip 32V ±0.5V with delay of 1 sec. c) After output has tripped for any reason, DC-GPU will not come on again on its own. A manual re-set
	 facility is provided. d) Surge suppresser is provided to suppress the voltage spikes above 50V for duration under 50 micron sec. e) Regulation: ±1V of set value from zero to full steady state load. f) Phase Failure / reversal. q) Overheat.
	h) Fuse for semiconductor devices.
Metering	Input Ac Voltmeter DC output Voltmeter DC output Ammeter
Indication	Input On Output On
Output Cable	70 Sq. mm. Single core 5 meters length with NATO Connector.
Input Cable	6 Sq. mm. 5 Core cable length 20 meters with male and Female Industrial sockets.
Weight	Approx 300 Kgs.
OPERATING CONDITIONS	
Operating Temperature	-30°C to +55°C.
Storage Temperature	-30°C to +70°C.
Relative Humidity	RH 95% @40°C.
Cooling	Force air cooling.



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