

Station Power Units



**Portable
Rechargeable
100% Electric**

ABC-GPU-28VDC

PORTABLE 28VDC GROUND POWER UNITS



STARTER POWER UNITS

Starter Power units come in three different voltages: 24V Cells, giving 25.8V starting voltage; 26V Cells, giving 28V starting; and 28V Cells, giving 30.1V starting voltage. They are manufactured with an output range from 1000Amps to 5000Amps for aircraft starting. The units are fitted with sealed lead acid high-discharge batteries, and they are relatively small and light-weight for the power. As the batteries are approved as non-hazardous cargo for aviation, the Starters can be carried onboard the aircraft, making them essential as emergency power for helicopters landing in locations outside their bases, such as, for instance, offshore platforms. Also, the Starters are vital for all in cold weather conditions when the aircraft is parked outside, which can significantly decrease the capacity of the aircraft's batteries. These Starters are widely used at the maintenance hangars and heliports, and they are greatly appreciated by the aircraft owners in the private aviation sector.

Features

- All units of the same type can be connected in parallel (with optional parallel cable) to increase output power.

Supplied with

- 5-metre input cable for charging
- 2-metre output cable fitted with aircraft plug
- Mobile trolley fitted with caster wheels

SPECIFICATIONS	ABC1000S 24/26/28	ABC2000S 24/26/28	ABC5000S 26/28-320A	ABC5000S 26/28-480A
Input Voltage	90-260VAC	90-260VAC	90-260VAC	90-260VAC
Input Current (Charging)	2A	4A	8A	8A
Output Voltage	25.8V/28V/30.1V	25.8V/28V/30.1V	28V/30.1V	28V/30.1V
Peak Current	1000A	2000A	5000A	5000A
Short Circuit Current	2450A	4900A	10000A	10000A
Battery Capacity	45A/Hr	90A/Hr	320A/Hr	480A/Hr
Length (mm)	420	420	1000	1000
Width (mm)	160	320	700	700
Height (mm)	400	320	1000	1000
Weight (Kg)	24/26/28	48/52/56	260/270	340/350





CONTINUOUS POWER UNITS

Continuous power units are fitted with advanced switch-mode power supplies, giving them high efficiency and power-to-weight ratio. These units are so compact and lightweight that many models can be easily carried by hand and taken on board the aircraft. For example, the 100A continuous power GPU is only 9kg and the size of a briefcase. As for the price, the units are less expensive than traditional TRUs. All these factors make them an ideal option for aircraft maintenance purposes. They are also used for demonstrations, such as aviation events or pilot training.

These units are offered with outputs from 50A to 400A. They are equipped with digital current and voltage output meters and protection against overload, overvoltage, and overtemperature.

Features

- All units can be connected in parallel (with optional parallel cable) to increase output power.

Supplied with

- 25-metre input cable
- 2-metre output cable fitted with aircraft plug
- Mobile trolley fitted with caster wheels

SPECIFICATION	ABC50	ABC100	ABC200	ABC300	ABC400
Input Voltage	90-260VAC	180-260VAC	320-460VAC	320-460VAC	320-460VAC
Input Current	8A	16A	16A-3 Phase	16A-3 Phase	32A-3 Phase
Output Voltage	28.5V	28.5V	28.5V	28.5V	28.5V
Output Current	50A	100A	200A	300A	400A
Length (mm)	420	420	420	420	420
Width (mm)	160	160	320	320	320
Height (mm)	180	300	320	320	320
Weight (Kg)	6	9	15	22	26





COMBI POWER&START UNITS

Combination Power Units are designed to combine the Starter and Continuous Power in a single Unit. They are offered in a range from 50A Continuous/1000A Peak to 400A Continuous/5000A Peak. The units are equipped with digital current and voltage output meters and protection against overload, overvoltage, and overtemperature. These units are fitted with 26V Cells, giving genuine 28V starting.

Supplied with

- 25-metre input cable
- 2-metre output cable fitted with aircraft plug
- Mobile trolley fitted with wheels

SPECIFICATION	ABC50 1000S/2000S	ABC100 1000S/2000S	ABC200 1000S/2000S	ABC300 1000S/2000S	ABC400 1000S/2000S	ABC400 5000S
Input Voltage	90-260VAC	180-260VAC	320-460VAC	320-460VAC	320-460VAC	320-460VAC
Input Current	8A	16A	16A	16A	32A	32A
Output Voltage (Continuous)	28.5V	28.5V	28.5V	28.5V	28.5V	28.5V
Output Current (Continuous)	50A	100A	200A	300A	400A	400A
Peak Current	1000A/2000A	1000A/2000A	1000A/2000A	1000A/2000A	1000A/2000A	5000A
Length (mm)	420	420	550	550	600	600
Width (mm)	320	320	400	400	500	500
Height (mm)	320	320	500	500	600	600
Weight (Kg)	30/55	32/57	35/60	40/65	45/70	100





eGPU

The eGPU is a state-of-the-art design model that supplies true 28.5VDC output with no input mains applied. The unit has a dual purpose: it provides 28.5VDC continuous power for avionics work and is also used to start the aircraft or APU.

The unit can operate in either AC Mode (power supply modules get power from the input mains applied) or DC Mode (power supply modules get power from the internal batteries). All batteries automatically charge when connected to input power. The unit is fitted with an internal alarm that warns you when the internal batteries are low and need charging. This unit is very quiet and straightforward to operate. It is fitted on the trolley, with six rubber mounts to absorb any vibration.

Supplied with

- 25-metre input cable
- 3-metre output cable fitted with aircraft plug
- Fitted on trolley with wheels and brake

SPECIFICATION	ABC100 1000SB-25	ABC200 1000SB-25	ABC400 1000SB-55	ABC400 2000SB-55	ABC400 2000SB-85
Input Voltage	90-260VAC	320-460VAC	320-460VAC	320-460VAC	320-460VAC
Input Current	16A	16A	32A	32A	32A
Output Voltage (Continuous)	28.5V	28.5V	28.5V	28.5V	28.5V
Output Current (Continuous)	100A	200A	400A	400A	600A
Peak Current	1000A	1000A	1000A	2000A	2000A
Internal Batteries	26 x 12V/25A/Hr	26 x 12V/25A/Hr	26 x 12V/25A/Hr	26 x 12V/25A/Hr	26 x 12V/25A/Hr
Autonomy	100A for 2 Hours	200A for 1 Hour	400A for 1 Hour	400A for 1 Hour	400A for 1.5 Hours
Length (mm)	1000	1000	1200	1200	1200
Width (mm)	700	700	800	800	800
Height (mm)	1000	1000	1200	1200	1200
Weight (Kg)	250	255	450	475	600



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