

Tentacell TC 2500



FEATURES

- “Plug-and-Play” system.
- Easy and Quick Deployment
- Smart Monitoring and Management
- Safe and Robust Technology
- CAN BUS Communication
- 2-metre (6ft) Heavy-Duty Double Insulated Output Cable with NATO plug
- Light Weight and Easy to Use
- LCD Digital Display with Push-To-View Button Providing Voltage, Soc And Various Parameters.
- External Charger with Fast Charge Option

Suitable Airframes:

- Bell 206B3, Bell 206L3, Bell 407, Bell 429, Airbus H125,135, Augusta 109 and similar configuration.

Tentacell, the 26.4 volt (nominal) 25 amp/hr portable GPU powered by Lithium-Ion Battery was developed for small to medium turbine aircraft and helicopters where portability requirements limit weight and size, but the need to maintain stable voltage required for a start cycle in modern machines employed with FADEC.

When compared to a standard GPU powered by Lead Acid Battery, Tentacell offers excellent performance and can outperform a standard GPU by a great margin. This in-turn delivers faster spool-ups, cooler starts and a faster, more positive systems response, which benefits turbine life and system reliability.

Tentacell can handle the inrush current requirement of modern aircraft and helicopter and maintains a steady voltage required for cool starting of the turbine engines. With its most advanced battery technology in the industry. With its portable dimension and weight, Tentacell has been flexible for meeting the requirement of operators at remote locations

With an onboard Battery Management System (BMS) with a custom software developed inhouse, Tentacell offers the most modern battery with the best service life in the industry. BMS allows the battery cells to be properly balanced at all times and also monitors cell temperature to offer maximum service life to battery pack.

Tentacell is supplied with a charger capable of working in 110/220 volt. With the modern technology inbuilt in Tentacell, charging times have reduced to 50% when compared to a standard GPU. Tentacell is provided with a Power ON/OFF switch which can turn OFF the unit when not in use, thus extending battery life. With a digital LCD display, the user can read the State of Charge of battery and can determine the number of starts he can perform before the unit is put for charging.

Tentacell is provided with industry standard quick disconnect plugs for easy removal and storage. It also comes with a standard NATO cable which can be customized based on customer needs.

SPECIFICATION:

Nom. Voltage	26.4 V DC
Max. Voltage	28.8 V DC
Min. Voltage	24 V DC
Rated Capacity	25Ah
Rated Energy Contents	660kWh
Continuous Discharge Current	500A
Peak Discharge Current	1250A
Max Amps (Short Circuit)	4000A
Max. Continuous Charge Current	1C
Standard Charge Current	0.5C
No. of Starts	5 - 6
Weight	13.90 kgs
Dimension (L x WX H)	400 x 125 x 290 mm
Charging Time	2-4 Hours
Cycle life	3000 cycles
Communication	CAN 2.0
Over Current Protection	Allowed
Operating Temperature	-20°C - 55°C
Storage Temperature	-40°C to 60°C
Cell Certificate Transport	UN 3480 (UN38.3), CIQ
Cell Certification Safety	UL 1642, IEC 62133-2
Case	Powder coated aluminium with neoprene shock absorbing feet.
Safety	Sliding cover to protect output socket