Tentacell

Proudly Made in India

An Ultra-Light Weight, Portable, Smart GPU

FEATURES

- "Plug-and-Play" and flexible system
- Easy and quick deployment
- Smart monitoring and management
- Safe and robust technology
- CAN BUS communication
- High balance current ≤1A
- 2-metre (6ft) mains input cord
- Light weight and easy to use
- LCD Digital display with push-to-view button providing voltage, SoC and various parameters.

For Enquiries, please contact: Tentacle Aerologistix (P) Ltd., 2nd Floor, Indradhanush, #15, Gubbi Cross, Hennur-Bagalur Road, Kothannur, Bangalore – 560 077, INDIA.
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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 out perform 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 is capable of handling 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 is able to 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 : Model -TC2500

Nom. Voltage	26.4 V DC
Max. Voltage	28.8 V DC
Min. Voltage	24 V DC
Rated Capacity	25Ah
Rated Energy Contents	660 Wh
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	7-9
Weight	14.90 kgs
Dimension (L x WX H)	400 x 125 x 290 cm
Charging Time	2.5 Hours (Capacity from 0 % to 100%)
Cycle life	3000 cycles
Communication	CAN 2.0 / Bluetooth
Over Current Protection	Allowed
Operating Temperature	-20˚C to 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

**Specifications are subjected to change based on operating conditions.
** This Information is given in good faith

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