

ELIOS Altilium FT200-12

Front Terminal 12V 200Ah Sealed Rechargeable Lead Acid AGM Battery
Data Sheet



The Elios FT200-12 excels in versatility, supporting communication systems, UPS standby power, and railway/marine applications. It can handle bursts up to 1200A and operates efficiently in temperatures ranging from -40°C to 50°C. Its compact design fits standard 19-inch or 23-inch power cabinets, ensuring easy installation and long-term reliability. Constructed with durable ABS and offering a maximum charging current of 50.0A, it delivers consistent power with minimal self-discharge.

Features & Benefits



Designed for long-lasting, reliable power over the years.



Engineered to be discharged and recharged repeatedly without causing damage.



Maintenance-free and safe to use.



Excellent discharge performance ranging -40°C to 50°C.

Certifications

ISO 9001 | UN38.3 | MSDS | CE

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SPECIFICATIONS

Voltage Per Unit	12V
Capacity	200Ah@10hr-rate to 1.80V per cell@25°C
Dimension (L x W x H)	22.08 x 4.92 x 12.44 in (561 ± 2 x 125 ± 2 x 316 ± 2 mm)
Weight	54kg (119.05 lbs)
Max. Discharge Current	1200A (5sec)
Internal Resistance	3mΩ
Operating Temperature Range	Discharge: -40°C~50°C
	Charge: -20°C~50°C
	Storage: -20°C~50°C
Normal Operating Temperature Range	25°C±5°C
Bulk/Absorb	14.70VDC @ 25°C
Float Voltage	13.50 to 13.80VDC/unit Average at 25°C
Equalize	14.70 to 15.00VDC/unit Average at 25°C
Max. Charging Current	50.0A
Self Discharge	The batteries can be stored for more than 6 months at 25°C.
Terminal	T13
Container Material	ABS(UL94-HB)

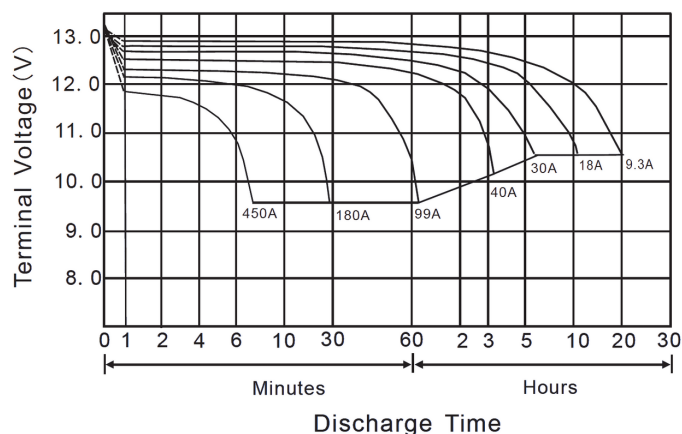
CHARGING PROCEDURES

Application	Charge Voltage (V/cell)			Max. charge Current
	Temperature	Set Point	Allowable Range	
Cycle Use	25°C	2.475	2.45~2.50	0.25C
Standby Use	25°C	2.275	2.25~2.30	

CHARGING METHOD

Constant Voltage	14.7~15.0V, 5~11h Max. Current 0.25CA
Constant Current	0.1CA×5h
Fast	0.25CA×1.7h

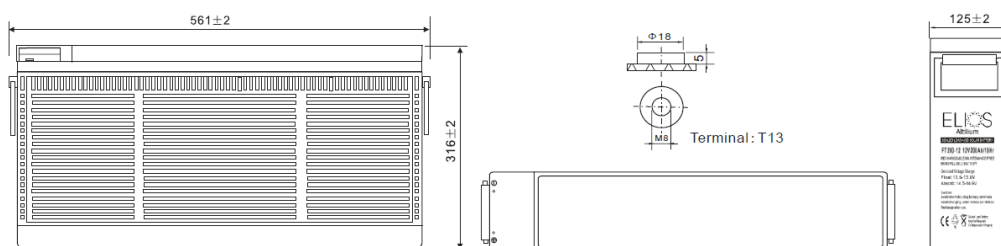
Discharge Time vs. Discharge Current



Applications

- Communication Systems
- UPS and Standby Power Supplies
- Power Station Systems
- Railway
- Marine
- Power Systems of Special Networks or Local Area Networks

Dimensions



Warranty

- 2-year limited warranty

*to be performed by a trained technician only.

**Charge the batteries at least once every 6 months, if they are stored at 25 °C.