

T-1285 12V 140Ah

Sealed Lead-Acid (SLA) Deep Cycle Battery



Applications

- EV Golf Cart, Utility Vehicles or NEV
- Scissor Lifts, Aerial Work Platforms
- Floor Sweeper, Scrubbers or Floor Cleaning Machine
- Material Handling
- Renewable Energy
- Engine Starting

General Features

- Able to operate at 40°C-60°C
- DOD 50% more than 1,200 life cycles
- Long life and high stability under high temperature environment
- Design for useable at tropical countries
- Rechargeable and maintenance-free
- Gel VRLA (Valved Regulated Lead-Acid) battery

Specifications

BCI Group Size	Model	Voltage	Cell	1 Capacity (Ah) @ 25°C						2 Minutes of Discharge			Internal Resistance	3 CCA	Dimensions (mm)				Weight (kg)
				1 hr rate	2 hr rate	5 hr rate	10 hr rate	20 hr rate	100 hr rate	@25A	@56A	@75A			L	W	H	TH	
GC12	T-1285	12V	6	77	97	115	128	140	158	268	102	64	≤ 4.5mΩ	800	328	182	264	271	43.5

¹ The amount of amp-hours (Ah) a battery can deliver when discharged at a constant rate a 25°C and maintain a voltage above 1.75V/cell. Capacities are based on peak performance.

² The number of minutes a battery can deliver when discharged at a constant rate at 25°C and maintain a voltage above 1.75 V/cell. Capacities are based on peak performance.

³ CCA (Cold Cranking Amps) - the discharge load in amperes which a new, fully charged battery can maintain for 30 seconds at 0°F (-18°C) at a voltage above 1.2 V/cell.

Charging Instructions

Recommended Charge Current

- With Temperature Compensation
- Without Temperature Compensation

Charge Voltage (12 Volts)

Bulk Charge

Absorption Charge

Float Charge

Temperature Compensate Factor

Cyclic Application

28.0 A Max.

12.0 - 28.0 A

14.4 - 14.7 V

14.7 V

14.7 V

13.8 V

- 4 mV/°C/Cell

Operating Temperature

Discharge: -25°C~60°C

Charge: -25°C~60°C

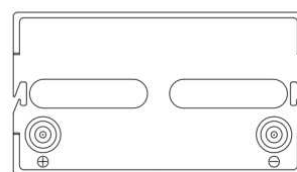
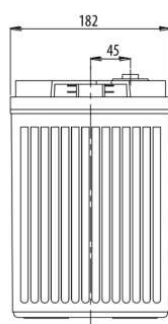
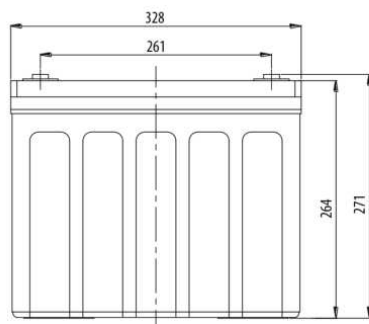
Storage: -25°C~60°C

DO NOT charge at temperature corrected voltages above 15 Volts (2.5 Volts/cell).

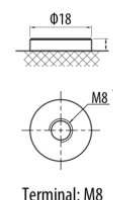
Use of voltage controlled charger is a requirement for warranty coverage.

For best cycle life, limit discharge to less than 50% of the battery's 20 hour capacity.

Dimensions and Terminal



Battery bank spacing required, 12.5mm minimum.



Terminal: M8

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Battery Construction

Positive plate	Negative plate	Container&Cover	Safety valve	Terminal	Seperator	Electrolyte	Pillar seal
Thick high Sn, low Ca grid	Pb-Ca grid	ABS	Si-Rubber	Copper insert M8	PVC/AGM seperator for high pressure cell	Silicone Gel	Two layers epoxy resin seal

