



genesis[®]
TD

Telecommunications

Battery Range Summary

The Genesis[®] TD range of Valve Regulated Lead Acid (VRLA) front terminal batteries has been designed to offer competitive solutions for the global telecommunications and Information Technology markets.

Genesis TD batteries incorporate selected design features for the costconscious user, while retaining superior performance by weight and volume, increased flexibility of installation and reduced maintenance.

The Genesis TD battery range, comprises of three 12V batteries with capacity sizes from 50 to 150Ah and features a front terminal design for much easier installation. Terminal connectors are positioned at the front of the cabinet. With no overhead access required, the space between shelves can be reduced. The convenient front terminal design saves valuable time through easier access.



Features and Benefits

- Capacity range from 50 - 150Ah
- 12V batteries
- Optimized for telecommunications applications
- Front terminal design
- Flame retardant UL94 V-0 container and lid

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RESERVE
POWER

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Construction

- Positive plates designed to extend service life
- Separators constructed in low resistance Absorbed Glass Mat (AGM)
- Container and lid fabricated in tough ABS UL94 flame retardant material
- Terminals manufactured with brass inserts for maximum conductivity and high-compression grommet for long life
- Self-regulating pressure relief valve prevents ingress of atmospheric oxygen

Installation and Operation

- The Genesis® TD battery range is designed for installation in outdoor cabinets or telecom standard racks
- Genesis TD batteries should be installed on their base
- Recommended charging voltages at 77°F (25°C):
Float use: 2.275 ± 0.02Vpc
Cycle use: 2.45 ± 0.05Vpc
- Operating temperature:
5°F (-15°C) to 113°F (45°C)
Recommended temperature:
68°F (20°C) to 77°F (25°C)

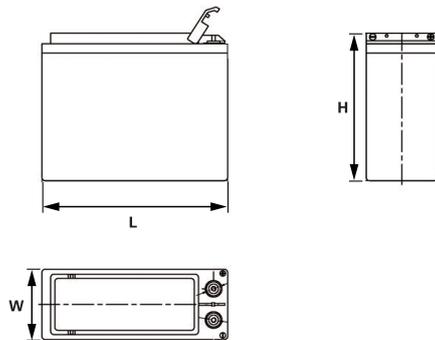
Standards

- The management systems governing the manufacture of this product are ISO 9001:2008 and ISO 14001:2004 certified

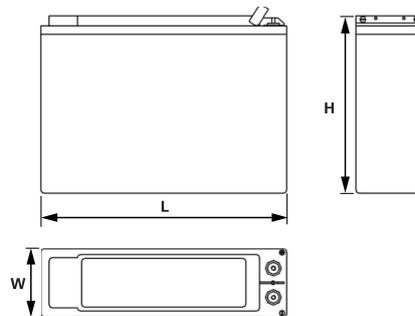
General Specifications

Cell Type	Number of Cells	Nominal Voltage	Nominal Capacity (Ah)		Dimensions			Typical Weight kg
			10 hr rate to 1.80Vpc @ 77°F (25°C)	8 hr rate to 1.75Vpc @ 77°F (25°C)	Length mm	Width mm	Height mm	
12TD50F	6	12	50	58	277	106	222	17.2
12TD100F4	6	12	100	124	394	111	286	32.4
12TD150F	6	12	150	177	551	115	288	46.0

Battery Terminal Layouts

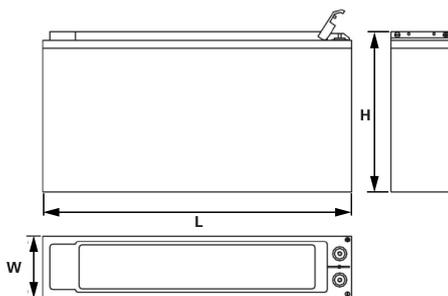


12TD50F



*L ± 1 mm (.040 inches)

12TD100F4



L ± 2 mm (.080 inches)

12TD150F

Terminal Detail Typical

