



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 cost conscious user, while retaining superior performance by weight and volume, increased flexibility of installation and reduced maintenance.

The Genesis TD battery range comprises 12V batteries with capacity sizes from 50Ah to 200Ah and features a front terminal design for much easier installation. Terminal connectors are positioned at the top front of the cabinet. Overhead access is minimised and the space between shelves can be reduced. The convenient top front terminal design saves valuable time through easier access.



12TD50F, 12TD100F4, 12TD150F



12TD200F

### Features and Benefits

- Capacity range from 50Ah - 200Ah
- 12V batteries
- Optimized for telecommunications applications
- Top 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

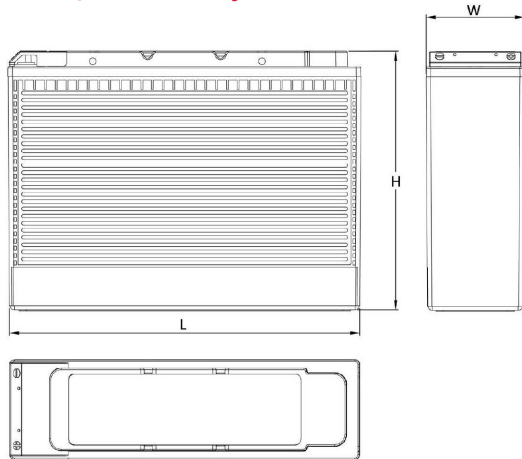
- The management systems governing the manufacture of this product are ISO 9001:2008 and ISO 14001:2004 certified
- Designed to be compliant with international standard IEC 60896/21 & 22
- Approved as non-hazardous cargo for ground, sea and air transportation in accordance with US DOT Regulation 49 and ICAO & IATA Packing Instruction 872

## General Specifications

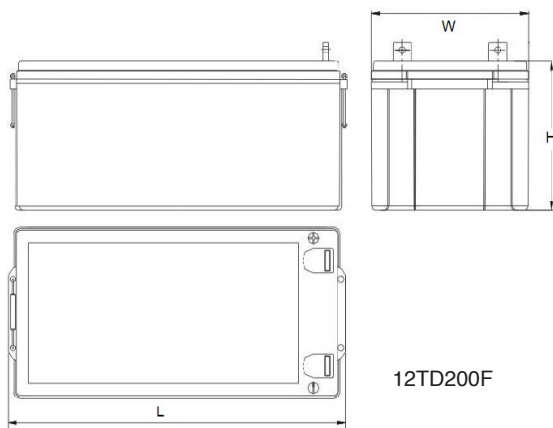
Cell Type	Number of Cells	Nominal Voltage	Nominal Capacity (Ah)		Dimensions			Typical Weight kg
			10 hr rate to 1.80Vpc @ 77°F (25°C)	8 hr rate to 1.75Vpc @ 77°F (25°C)	Length mm	Width mm	Height mm	
12TD50F	6	12	50	46	277	106	222	17.2
12TD100F4	6	12	100	98	394	111*	286	32.4
12TD150F	6	12	150	142	551	112**	288	46.0
12TD200F	6	12	200	189	522	240**	220	70.0

\* ±1mm \*\* ±2mm

## Battery Terminal Layouts

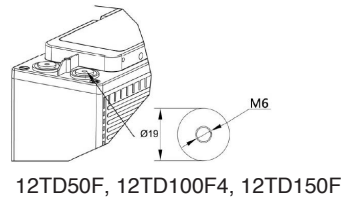


12TD50F, 12TD100F4, 12TD150F

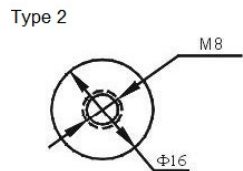
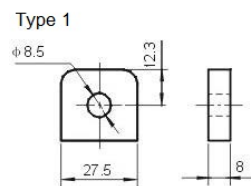


12TD200F

## Terminal Detail Typical



12TD50F, 12TD100F4, 12TD150F



12TD200F