



## Features & Benefits

- Capacity of 50Ah - 200Ah
- 12V monobloc
- Optimized for telecommunication applications
- Top front terminal design
- Flame retardant UL94 V-0 container and lid

## 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.

### Construction

- Positive plate 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 & 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 25°C:  
Float use:  $2.27 \pm 0.02$ Vpc  
Cycle use:  $2.45 \pm 0.05$ Vpc
- Operating temperature: -15°C to 45°C  
Recommended temperature: 20°C to 25°C
- Recommended Torque:  
12TD50F, 12TD100F4, 12TD150F, 12TD200FT: 6.8+/- 0.6 N.m  
12TD170FT & 12TD190FT: 13+/- 1 N.m

### Standards

- The management systems governing the manufacture of this product are ISO9001:2015 and ISO14001:2004 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

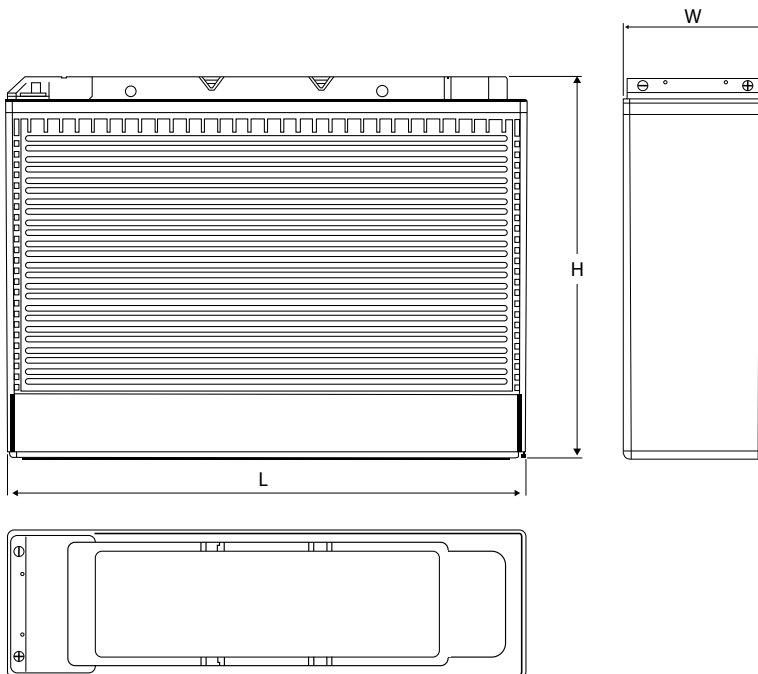
### General Specifications

Battery Type	Nominal voltage (V)	Nominal Capacity (Ah)		Nominal Dimensions (mm)			Weight Kg	Short Circuit Current (A)	Internal Resistance (mΩ)	Terminals
		10hr rate to 1.80Vpc @ 25°C	8hr rate to 1.75Vpc @ 25°C	Length mm	Width mm	Height mm				
12TD50F	12	50	46	277	106	222	17.2	1000	7	M6 F
12TD100F4	12	100	98	394	111*	286	32.4	1785	6.9	M6 F
12TD150F	12	150	142	551	112*	288	46.0	2075	5.9	M6 F
12TD170FT	12	170	161	547	125**	319	51.5	2430	5.1	M8 F
12TD190FT	12	190	183	547	125**	319	56.5	3040	4.1	M8 F
12TD200FT	12	201	202	559	125**	329	61.5	3215	3.9	M6 M

\*±2mm

\*\*±3mm

### Battery Terminal Layouts



**EnerSys World Headquarters**  
2366 Bernville Road, Reading,  
PA 19605, USA  
Tel: +1-610-208-1991 /  
+1-800-538-3627

**EnerSys EMEA**  
EH Europe GmbH,  
Baarerstrasse 18,  
6300 Zug  
Switzerland

**EnerSys Asia**  
152 Beach Road,  
Gateway East Building #11-03,  
Singapore 189721  
Tel: +65 6508 1780

Contact: