genesis® TD

# 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 202Ah 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.

### Features & Benefits

- Capacity of 50Ah - 202Ah
- 12V monobloc
- Optimized for telecommunication applications
- 12 year design life at 20˚C
- Front terminal design
- Flame retardant UL94 V-0 container and lid

EnerSys® Power/Full Solutions

Visit us at www.enersys.com

## 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 float charging voltages:
  2.27Vpc @ 20˚C
  2.25Vpc @ 25˚C
- Operating temperature:
  -20˚C to 45˚C

  Recommended temperature:
  20˚C to 25˚C
- Recommended Torque:

  M6: 6.8 ±0.6 N.m
  M8: 13 ± 1.0 N.m

## Standards

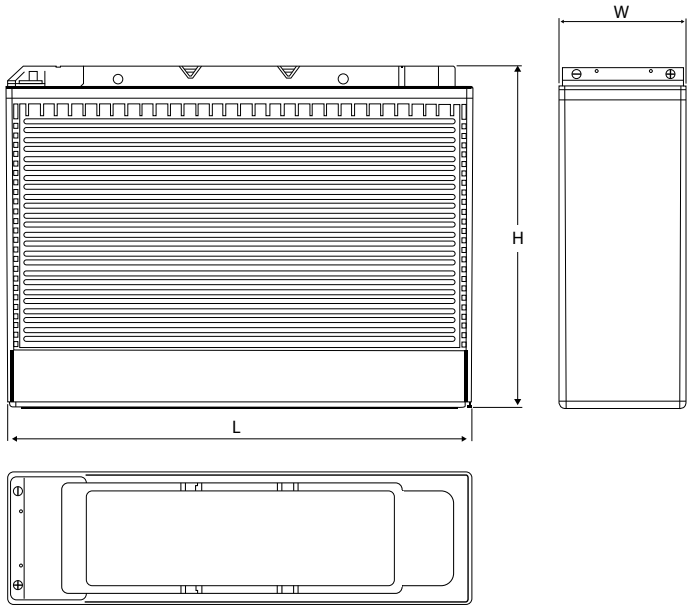
- The management systems governing the manufacture of this product are ISO9001:2015 and ISO14001:2004 certified
- Designed to be compliant with international standard IEC 60896/21 & 22
- Classified as "Long Life" (10-12 years) according to Eurobat guide
- Approved as non-hazardous cargo for ground, sea 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[2] | Short Circuit Current (A)[3] | Internal Resistance (mΩ)[3] | Terminals |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 10hr rate to 1.80Vpc @ 25˚C | 8hr rate to 1.75Vpc @ 25˚C | Length mm | Width mm[1] | 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 | 147 | 551 | 112* | 288 | 46.0 | 2075 | 5.9 | M6 F |
| 12TD170FT | 12 | 170 | 166 | 547 | 125** | 319 | 51.5 | 2430 | 5.1 | M8 F |
| 12TD190FT | 12 | 190 | 186 | 547 | 125** | 319 | 56.5 | 3040 | 4.1 | M8 F |
| 12TD200FT | 12 | 202 | 200 | 559 | 125** | 329 | 61.5 | 3215 | 3.9 | M6 M |

*note:*
*(1) *±2mm, **±3mm*
*(2) Weight deviation : ±3%*
*(3) Figures obtained via IEC method*

## Battery Terminal Layouts




Publication No: APAC-EN-Genesis-TD-RS-02-0822

EnerSys
Power/Full Solutions

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: