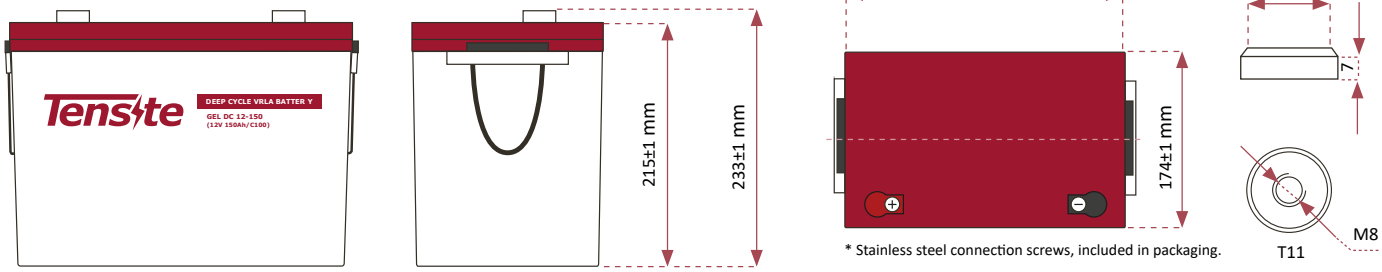
AGM 12-150

FEATURES

- **Compact size ideal for any type of use.**
- **High performance due to its deep discharge life cycle.**
- **Designed for photovoltaic installations.**

DIMENSIONS



* Stainless steel connection screws, included in packaging.

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DEEP CYCLE BATTERY AGM
12V 150 AH

DEEP CYCLE SERIES BATTERY

The CCDR series VRLA batteries are superior deep cycle design with thick plates, high-density active materials and slightly stronger electrolyte which can withstand repeated deep cyclic applications.
Deep Cycle series batteries are the special design batteries with 6 years floating life at 25°C. Meet with IEC, BS, JIS, Eurobat, UL (MH62092) and CE approved.

APPLICATION

- Emergency power system.
- Communication equipment.
- Telecommunications systems.
- Uninterruptible power supply.
- Electric wheelchairs.
- Electric toys, cars and motorcycles.
- Electric tools.
- Golf carts and buggies.
- Marine electrical equipment.
- Emergency medical equipment.
- Camping and caravans.
- Solar and wind energy systems.

GENERAL FEATURES

- Safety sealing.
- Anti-spill technology.
- High power density.
- Excellent deep discharge recovery.
- Thick plates and highly active materials.
- Longer service life and low self-discharge.

TECHNICAL SPECIFICATIONS

BATTERY MODEL	**Nominal Voltage**		12 V	
	Rated Capacity (100 Hour rate)		150 Ah	
	Cells per battery		6	
DIMENSIONS	**Length**	**Width**	**Height**	**Total Height**
	407 mm	174 mm	215 mm	233 mm
APPROXIMATE WEIGHT	33,8 kg ± 3%			
CAPACITY @ 25ºC (77 °F)	**10 hours**	**5 hours**	**3 hours**	**1 hour**
	120 Ah	96 Ah	87 Ah	72 Ah
MAXIMUM DISCHARGE CURRENT	1200 A (5 sec.)			
MAXIMUM CHARGE CURRENT	36 A			
INTERNAL RESISTANCE	Fully charged at 25°C: Approximately 3,9 mΩ			
CAPACITY VS TEMPERATURE	**40°C**	**25°C**	**0°C**	**-15°C**
	103%	100%	86%	65%
SELF DISCHARGE @ 25ºC	**After 3 months in storage**		**After 6 months**	**After 12 months**
	91%		82%	64%
CHARGE METHOD @ 25ºC	**Cycle Use**		**Float Use**	
	14,3 - 14,6 V		13,6 - 13,8 V	

BATTERY DISCHARGE TABLE

CONSTANT CURRENT(A) AND CONSTANT POWER (W) DISCHARGE TABLE AT 25ºC									
F.V / TIME		10 min	15 min	30 min	1 hr	3 hrs	5 hrs	10hrs	20 hrs
1.60	A	253.00	204.00	137.00	72.00	31.00	19.80	12.60	6.80
	W	450.66	364.83	245.16	129.66	57.16	37.51	24.25	13.18
1.70	A	228.00	192.00	131.00	68.00	30.00	19.40	12.40	6.60
	W	425.16	358.50	244.66	127.50	57.83	37.76	24.20	12.90
1.75	A	204.00	168.00	122.00	66.00	29.00	19.20	12.10	6.60
	W	387.50	319.83	234.83	126.50	56.83	37.51	23.90	13.00
1.80	A	193.00	156.00	113.00	63.00	28.50	18.70	12.00	6.50
	W	370.16	300.00	217.83	123.00	56.16	36.88	23.76	12.86
1.85	A	180.00	144.00	101.00	61.00	28.00	18.20	11.40	6.10
	W	348.33	279.83	196.50	120.00	54.66	36.28	22.93	12.36

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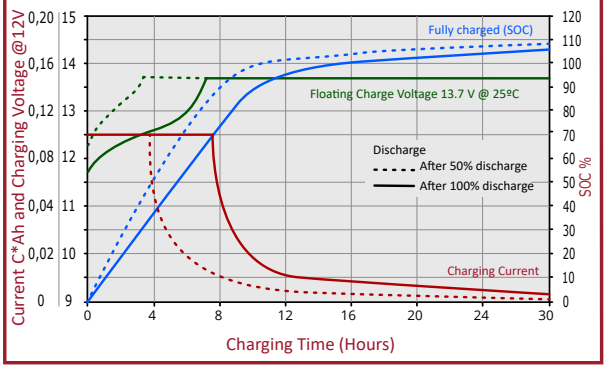
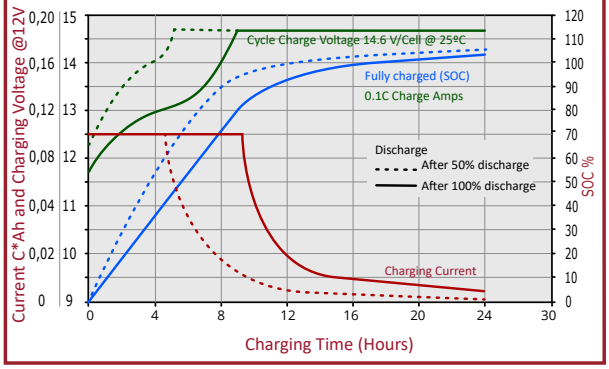
USE IN FLOTATION: The battery is connected to the charger continuously, maintaining the charge at 100%, ready for discharge at specific times. This is the case of alarms, UPS systems, backup systems, telecommunications backup.
USE IN CYCLES: The battery is charged and discharged, repeating this cycle regularly. This is the case for residential photovoltaic installations (day/night), electric cars and in applications that are consumed when no load is available. The starting of combustion engines would be an application that combines both types of use.

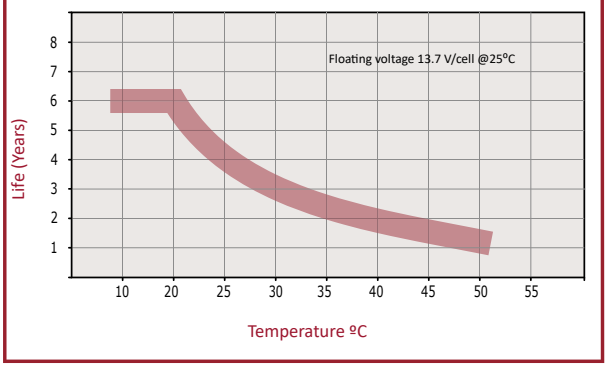
Float Use: Charging Characteristics



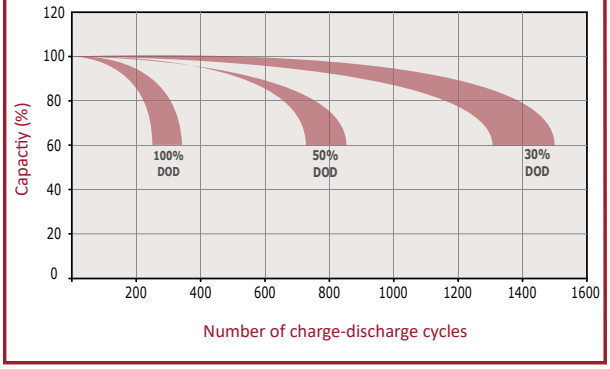
Cycle Use: Charging Characteristics



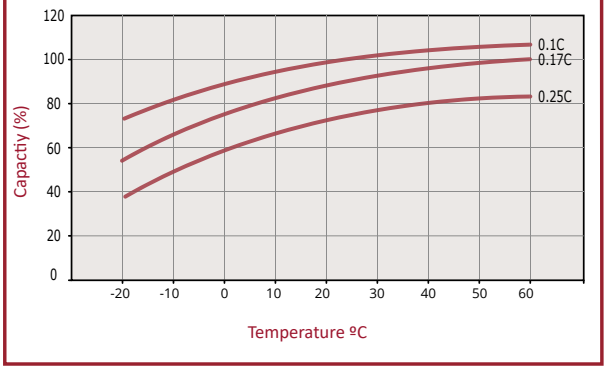
Expected life at Flotation and Temperature



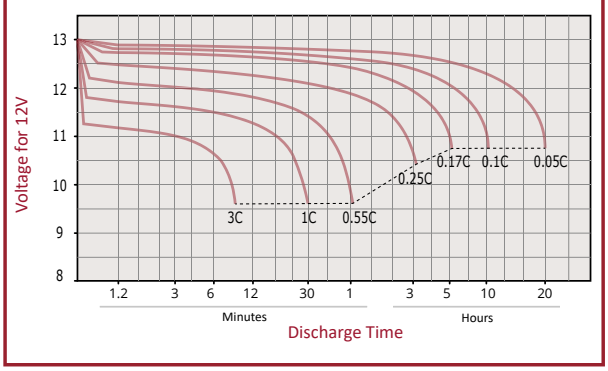
Cycle life in relation to Depth of Discharge



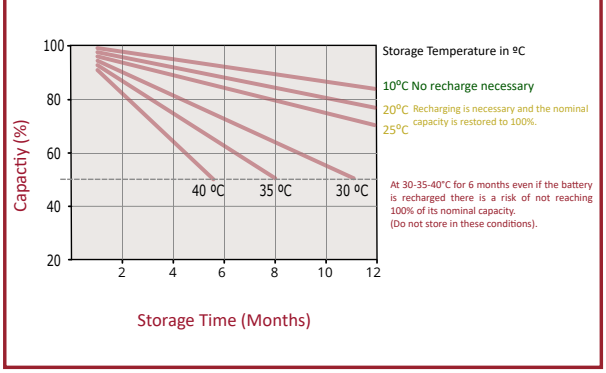
Temperature effects in relation to battery capacity



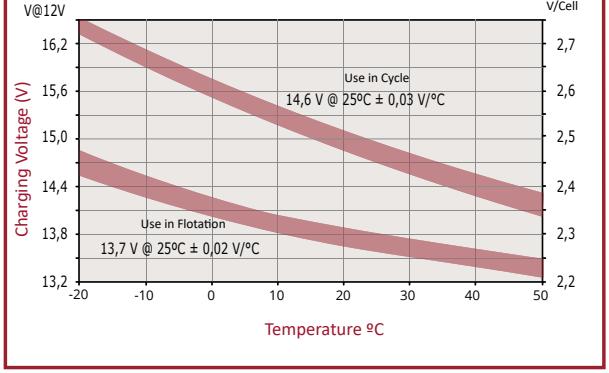
Discharge Characteristics 25ºC (77ºF)



Self-Discharge Characteristics with Temperature



Voltage Charge and Temperature



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