



TALL TUBULAR BATTERIES

(200Ah to 300Ah)



MEETS IEC 61427-1 SPECIFICATIONS

ADVANCED TUBULAR BATTERIES



NO
INTERNAL PACKING



LOW
MAINTENANCE



FASTER
RECHARGE



SUPERIOR
VOLTAGE



PATENTED CONTAINER
287292, 287295



PARTIAL STATE OF
CHARGE CONDITION



LONGER
LIFE



INCREASED
BACK-UP

Product Features :-

1. Robust Tubular with High Pressure diecasted spine- resulting low rate of spine corrosion.
2. Spill Proof Vent plug – resulting in no spillage on top and low controlled acid fumes.
3. Optimized Negative paste receipt for fast charge acceptance
4. Consistent backup throughout life
5. Excellent behavior in PSOC condition as compare
6. Low Self Discharge
7. Excellent performance on deep cyclic application as compare to AGM VRLA
8. Patented Design & Service Life
9. Low water loss
10. Long Cycle Life



Range available: 200Ah to 300Ah

TECHNICAL DATA

TALL TUBULAR BATTERIES REGULAR SERIES

Type of Battery	Nominal Voltage	Capacity@C20at 27°C-Ah	Dimensions mm (LxWxH)+/-3mm	Gross Battery weight+/-3% [Kg]	Battery Layout
EV200TT	12	200	506X190X479	67	- [] [] [] [] [] [] +
EV250TT	12	250	506X190X479	70	- [] [] [] [] [] [] +
EV300TT	12	300	506X190X479	76	- [] [] [] [] [] [] +

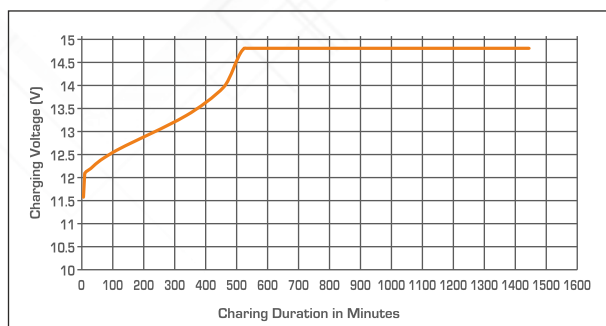
Electrical Parameters & Charging Profile

Battery Specified Capacity Test @ 27°C					
MODEL	C20 @ 10.5V	C10 @ 10.5V	C5 @ 10.5V	C3 @ 10.5V	C1 @ 10.5V
EV200TT (12 V 200AH @ C20)	200	180	150	129	90
EV250TT (12 V 250AH @ C20)	250	198	165	142	99
EV300TT (12 V 300AH @ C20)	300	264	225	194	150

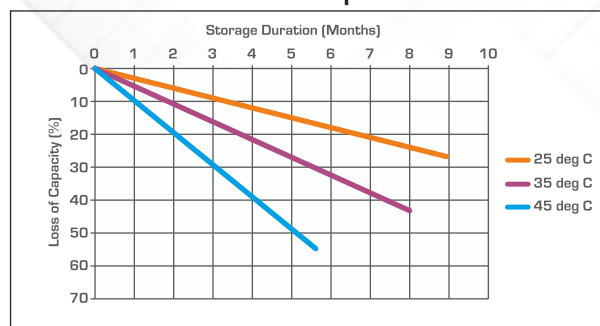
Ah & Wh Efficiency			
Ah Efficiency	>90%	Wh Efficiency	>75%

- **Poly Components Material:** Polypropylene Co polymer
- **Watering system :** Individual to every cell in Monobloc
- **Color :** Red
- **Testing Parameters :** IS 13369:1992 & IEC 61427

Charging Profile



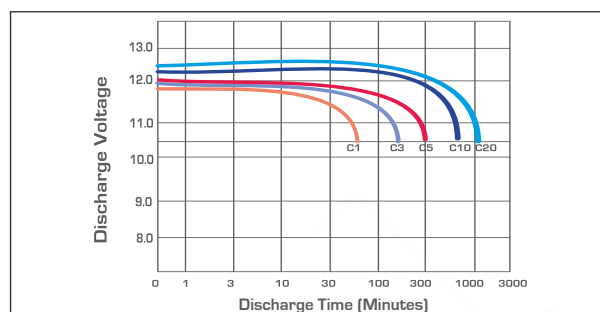
Self Discharge Characteristics @ Different Temperature



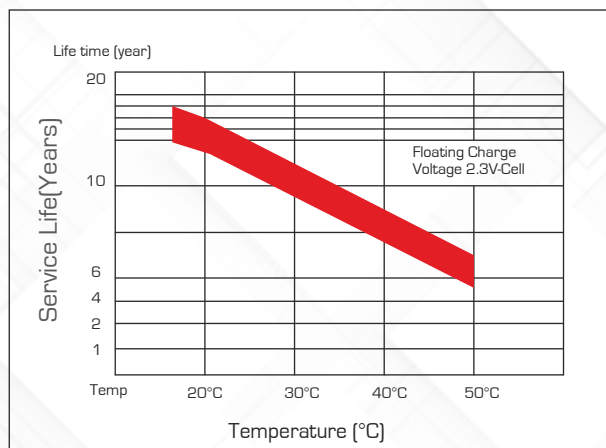
State of Charge Measure of Open-circuit Voltage @ 27°C

State of Charge	Specific Gravity	Voltage
100%	1.240±10	12.55V-12.70V
75%	1.125±10	≤12.4V
50%	1.200±10	≤12.1V
25%	1.175±10	≤12.0V
0%	1.150±10	11.8V

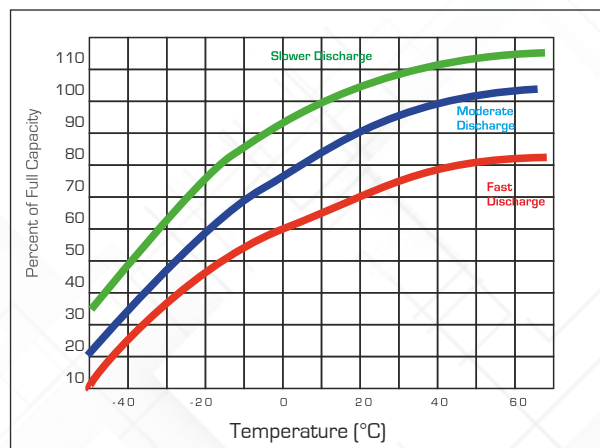
Discharging Characteristics at various rates @ 27°C



Service (Float) Life and Temperature



Expected Capacity vs Temperature



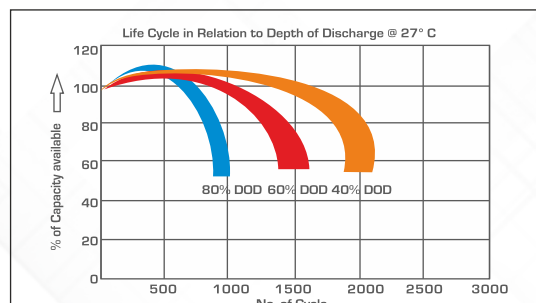
Evovolt Battery Manufacturing Certified by



Specific Gravity & Self Discharge w.r.t. Temperature

	Add	Subtract
CHARGING TEMPERATURE COMPENSATION	0.005 volt per cell for every 1°C below 25°C 0.0028 volt per cell for every 1°F below 77°F	0.005 volt per cell for every 1°C above 25°C or 0.0028 volt per cell for every 1°F above 77°F
OPERATIONAL DATA	Operating Temperature -4°F to 131°F (-20°C to +55°C) At temperatures below 32°F (0°C) maintain a state of charge greater than 60%.	Self Discharge As per discharge Graph

Expected Life



Charging Instructions

Charger Voltage Settings (at 77° F/ 25°C)			
System Voltage	12V	24V	48V
Maximum Charge Current	0.2C10		
Maximum Absorption Phase Time (hours)	4		
Absorption Voltage	14.4	28.8	57.6
Float Voltage	13.6	27.2	54.4
Equalization Voltage	16	32	64
Do not install or charge batteries in a sealer or non-ventilated compartment. Constant under or overcharging will damage the battery and shorten its life as with any battery.			
Periodic Charge	Provide a periodic freshening charge to maintain a SOC greater than the threshold of 70%		

Terminal Configuration

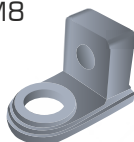
Terminal Type : L

Terminal Height : 26.5 mm

Terminal Width : 25.7 mm

Terminal Length : 42 mm

Bolt Type : M8

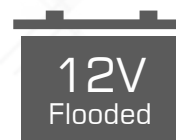


Flot Type

Locking Flot indicator cum watering lid for each cell



Recycle Responsibly



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Meets IEC 61427-1
Specifications

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