



CHARACTERISTICS



Compact size ideal for any type of use.

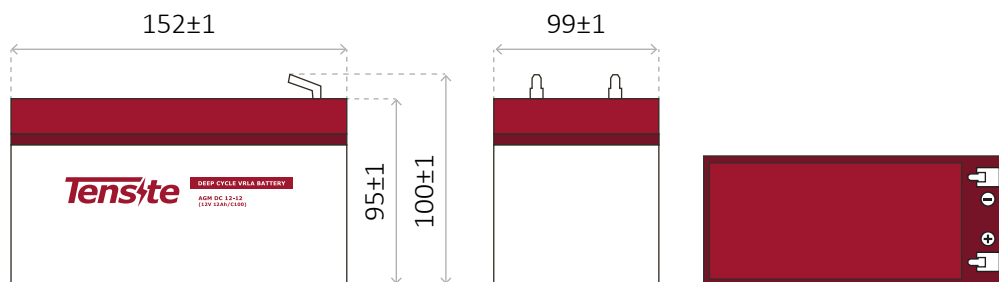


Great performance due to its Deep Cycle technology.



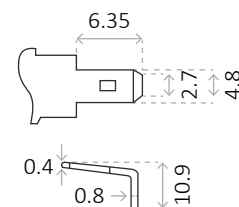
Perfect to use as accumulator in photovoltaic installations.

DIMENSIONS

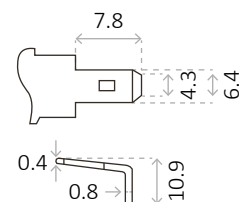


TERMINAL TYPE (mm)

F1



F2



AGM DEEP CYCLE BATTERY 12V 12 AH

DEEP CYCLE SERIES BATTERY

DC 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 10 years floating design life at 25°C. Meet with IEC, BS,JIS and Eurobat standard, UL(MH62092), CE approved.



APPLICATION

- Emergency Power System
- Communication equipment
- Telecommunication systems
- Uninterruptible power supplies
- Power tools
- Marine equipment
- Medical equipment
- Solar and wind power system

GENERAL FEATURES

- Safety Sealing
- Non-spillable construction
- High power density
- Excellent recovery from Deep discharge
- Thick plates and high active materials
- Longer life and low self-discharge design

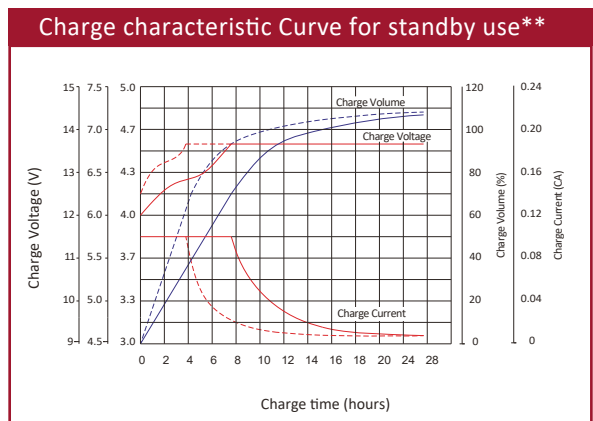
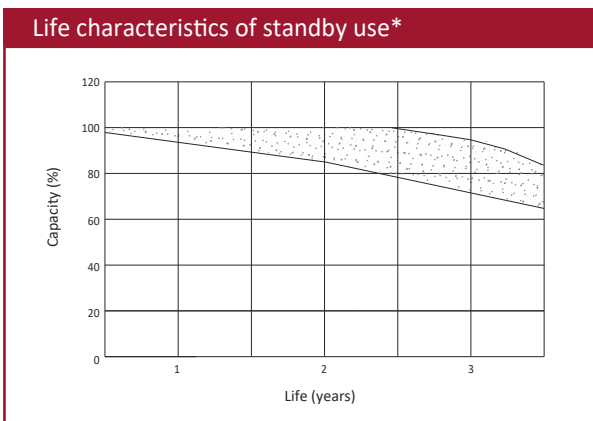
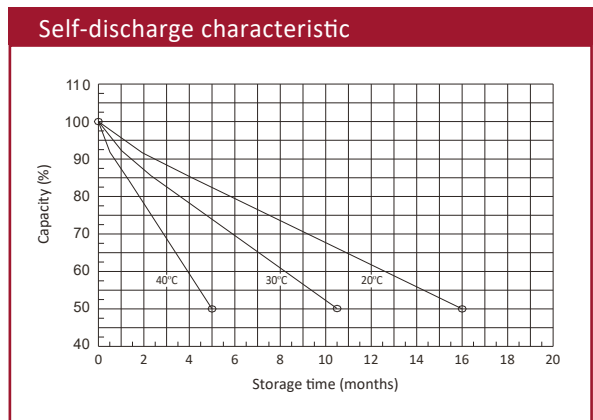
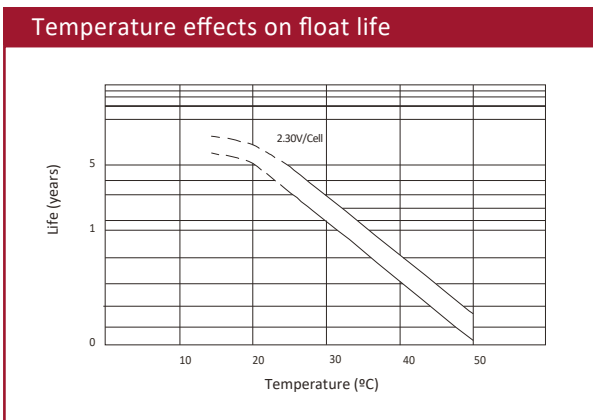
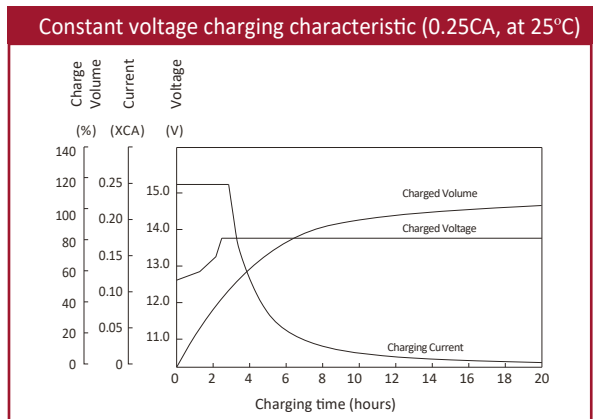
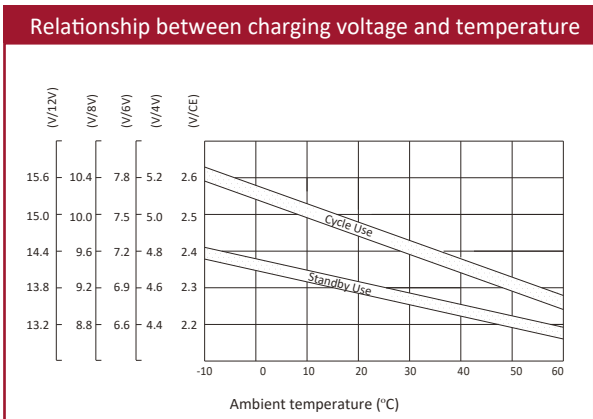
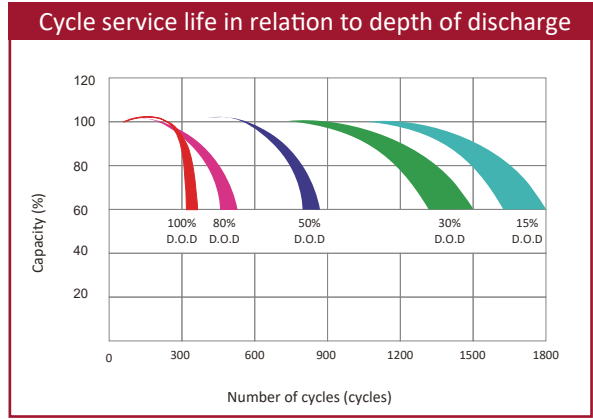
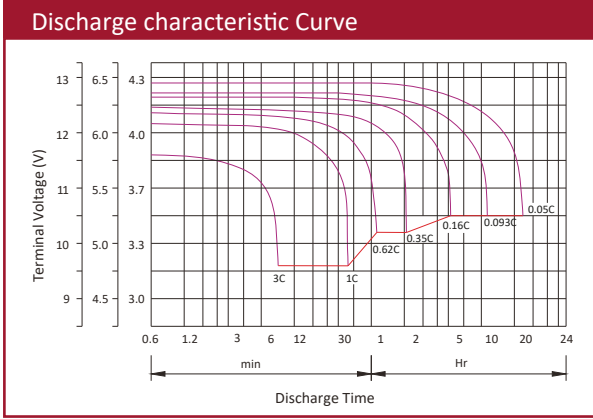
TECHNICAL SPECIFICATIONS

BATTERY MODEL	Nominal voltage			12V			
	Rated capacity (20 hour rate)			12Ah			
	Cells Per battery			6			
DIMENSION	Length 152 mm	Width 99 mm	Height 95 mm	Total Height 100 mm			
APPROX. WEIGHT	3.5 kg ± 3%						
CAPACITY @ 25°C	20 hour rate (0.6A, 10.5V) 12 Ah	10 hour rate (1.1A, 10.5V) 11 Ah	5 hour rate (2.04A, 10.5V) 10.2 Ah	1 hour rate (7.2A, 9.6V) 7.2 Ah			
MAX. DISCHARGE CURRENT	180 A (5 sec.)						
INTERNAL RESISTANCE	Full charged Vat 25°C: Approx. 14mΩ						
CAPACITY AFFECTED BY TEMP. (10 HR)	40°C 102%	25°C 100%	0°C 85%	-15°C 65%			
SELF DISCHARGE @25°C	After 3 months storage 91%		After 6 months storage 82%		After 12 months storage 64%		
CHARGE METHOD @25°C	Cycle Use 14.1-14.4V (Initial charging current less than 3.6A)			Float Use 13.50-13.80V			
CONSTRUCTION	Container BS (UL94-HB) / Flame retardant ABS (UL94-V0)	Electrolyte Sulfuric acid	Separator Fiber glass	Positive Lead dioxide	Negative Lead	Safety valve EPDR	Terminal Copper

BATTERY DISCHARGE TABLE

CONSTANT CURRENT (AMP) AND CONSTANT POWER (WATT) DISCHARGE TABLE AT 25 °C

F.V / TIME		5 min	10 min	15 min	30 min	1 hr	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	20 hr
9.60	A	43.20	28.30	21.00	13.80	7.20	4.20	3.09	2.48	2.11	1.39	1.13	0.62
	W	509.50	320.00	242.00	146.50	83.00	48.60	35.75	28.70	24.35	16.05	13.15	7.20
10.20	A	39.60	27.00	19.30	13.10	6.76	4.03	3.00	2.40	2.06	1.37	1.12	0.61
	W	479.50	303.00	227.50	145.50	78.00	46.70	34.75	27.80	23.90	15.80	12.90	7.00
10.50	A	36.10	25.30	18.00	12.70	6.54	3.95	2.95	2.28	2.04	1.35	1.10	0.60
	W	463.00	294.00	217.50	144.00	75.70	45.80	34.15	26.40	23.75	15.65	12.80	6.95
10.80	A	34.60	24.20	16.80	12.40	6.32	3.85	2.90	2.24	1.95	1.31	1.07	0.59
	W	406.00	285.00	209.50	143.50	73.50	44.80	33.75	26.08	22.70	15.00	12.50	6.80
11.10	A	32.00	22.80	15.60	12.00	6.10	3.75	2.75	2.20	1.87	1.28	1.05	0.57
	W	392.50	275.50	199.50	142.50	72.50	44.50	32.75	26.00	22.20	14.50	12.25	6.75



*Testing conditions:
Floating voltage 2.27 to 2.30V/Cell
Ambient temperature 25°C

**Discharge 100% (0.05CA 20h)
Charge 50% (0.05CA 10h)
Charge Voltage 2.275V/C
Charge Current 0.1CA
Temperature 25°C