



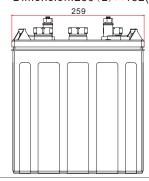
M145T is a flooded lead acid battery specially designed for frequent deep cycle discharges. It adopts an innovative tubular plate technology, manufactured with die-casting positive spine and patent formula of active material, for high reliability and performance. The battery offers premium service life and power suitable for golf carts, electric and mobility vehicles, floor machines, and other industrial applications.

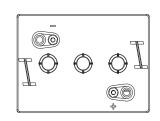
Specifications

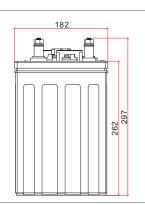
Specifications						
Voltage Per Unit	6V					
Capacity	240Ah@20hr-rate to 1.75V per cell @25°C 210Ah@5hr-rate to 1.70V per cell @25°C					
Approx Weight	Including electrolyte, 31.0 kg					
Internal Resistance	Approx 3.0 mΩ					
Operating Temperature Range	Discharge: -40°C to 60°C Charge: -20°C to 50°C Storage: -40°C to 60°C					
Optimal Operating Temperature Range	25°C ± 5°C					
Float Charging Voltage	6.9 to 7.2 VDC/unit average at 25°C					
Maximum Charging Current	42A					
Cycle Service	7.95 to 8.55 VDC/unit average at 25°C					
Self Discharge	Self-discharge rate less than 3.5% per month at 25°C. Please charge batteries before use.					
Container Material	PP					
Recommended Single Point Watering Kits	Flow Rite BG-U48V-3 Hydrolink 210006					
Torque Setting	10-15Nm					

Dimensions

Unit: mm Dimension:259(L) \times 182(W) \times 297(H)



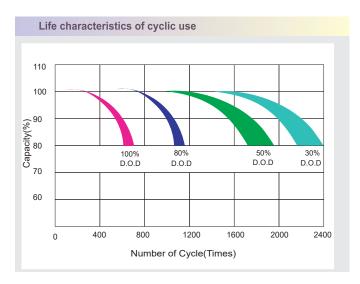


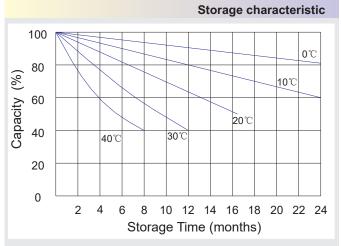


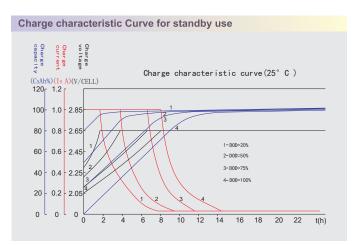
Constant Current Discharge Characteristics:A(25℃)										
F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
4.80V	198.9	139.3	80.7	60.4	49.3	44.2	38.3	29.8	24.7	13.6
4.95V	194.4	136.1	78.9	59.1	48.2	43.2	37.5	29.2	24.1	13.2
5.10V	188.9	132.3	76.7	57.4	46.8	42.0	36.4	28.4	23.4	12.7
5.25V	181.7	127.2	73.7	55.2	45.0	40.4	35.0	27.3	22.5	12.1
5.40V	173.5	121.5	70.4	52.7	43.0	38.6	33.4	26.0	21.5	11.6
5.55V	164.3	115.1	66.7	49.9	40.8	36.5	31.7	24.7	20.4	10.6

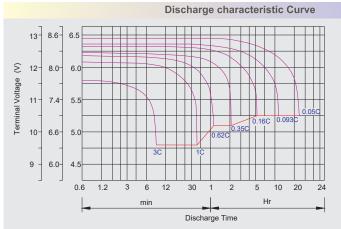
		Con	stant Pov	ver Disch	arge Char	acteristic	s: W(25 ℃)			
F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	6HR	8HR	10HR	20HR
4.80V	1116.2	804.8	475.6	359.6	293.9	263.8	228.7	178.2	147.3	81.9
4.95V	1096.2	788.2	465.8	352.9	288.1	258.6	224.2	174.7	144.4	79.5
5.10V	1077.8	767.3	453.4	344.1	280.7	252.0	218.4	170.1	140.5	76.6
5.25V	1037.4	738.1	436.2	330.9	269.9	242.3	210.0	163.6	135.1	73.0
5.40V	991.4	708.6	418.7	316.0	258.0	231.4	200.6	156.2	129.0	69.7
5.55V	944.8	676.6	399.8	299.7	244.5	219.3	190.1	148.0	122.3	64.4











Discharge Current and Voltage

Final Discharge Voltage (V/cell)	1.75V	1.70V	1.60V
Discharge Current (A)	A ≤ 0.2C	0.2C < A < 1.0C	A ≥ 1.0C

Charge the batteries at least once every six months, if they are stored at 25°C.

Charging Method (C=C5):

Constant Voltage	0.2Cx2h + 2.65V/cellx12h, max current at 0.2C
Constant Current	0.14Cx6h + 0.07Cx6h

Delta-Q Charge Profile: Algorithm ID 1

Cycle Service Maintenance & Cautions
Avoid over discharging, especially when battery is used in series connections
Charge with recommend voltage, ensure battery is fully recharged.
In general, recharged capacity should be 1.2-1.3 times the discharged capacity.
* There are a number of factors that will affect the length of cyclic service.
The most significant are depth of discharge, ambient temperature,
discharge rate, and the manner in which the battery is recharged.