

DC6-225S(6V225Ah)



Specification

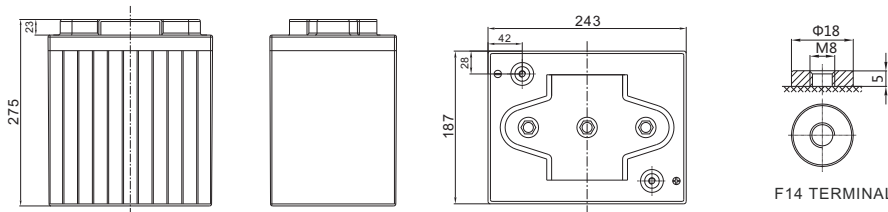
Cells Per Unit	3
Voltage Per Unit	6
Capacity	225Ah@20hr-rate to 1.75V per cell @25°C
Weight	Approx. 32.0 Kg (Tolerance ±3.0%)
Internal Resistance	Approx. 1.9 mΩ
Terminal	F14 (M8)
Max. Discharge Current	2250A (5 sec)
Design Life	12 years (floating charge)
Max. Charging Current	67.5 A
Reference Capacity	C3 172.0AH C5 193.8AH C10 214.3AH C20 225.0AH
Float Charging Voltage	6.80 V~6.90 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	7.30 V~7.40 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C
Normal Operating Temperature Range	25°C ±5°C
Self Discharge	RITAR Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 3% at 25°C. Please charged batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



DC (Deep Cycle) series batteries provide superior high integrity and reliability. It is specially designed for frequent cyclic charge and discharging. By using strong grids, thick plate and specially active material are designed for repeated deep-discharge applications. The DC series batteries offer 30% more cyclic life than the standby series. It is suitable for solar and wind renewable energy storage, mobility and medical equipment and cable TV etc.



Dimensions



Length	243±2mm (9.57 inches)
Width	187±2mm (7.36 inches)
Height	275±2mm (10.8 inches)
Total Height	275±2mm (10.8 inches)
Terminal	Value
M5	6-7 N·m
M6	8-10 N·m
M8	10-12 N·m

Unit: mm

Constant Current Discharge Characteristics : A(25°C)

F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	386.6	240.1	136.7	81.38	63.39	49.73	42.30	27.13	22.50	11.66
1.65V	361.6	227.5	132.0	78.65	61.44	48.24	40.97	26.92	22.29	11.60
1.70V	340.0	215.7	127.8	76.56	58.85	46.75	39.86	26.49	21.86	11.45
1.75V	318.5	207.2	123.8	73.62	57.33	45.48	38.75	26.06	21.64	11.25
1.80V	291.6	199.5	118.3	71.10	56.25	44.41	38.25	25.63	21.43	11.14
1.85V	241.3	169.2	105.6	65.02	52.36	41.65	35.21	24.14	20.14	11.04

Constant Power Discharge Characteristics : WPC(25°C)

F.V/Time	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	674.4	436.4	256.5	153.9	120.4	95.84	80.06	52.87	44.13	23.28
1.65V	655.7	426.2	252.2	149.7	117.4	93.50	77.90	52.45	43.70	23.07
1.70V	620.7	405.6	244.8	146.0	112.9	90.53	75.95	51.81	42.85	22.86
1.75V	585.8	391.4	238.0	140.8	110.1	88.40	74.22	50.97	42.43	22.45
1.80V	541.6	378.8	228.3	137.6	109.5	86.70	73.22	50.12	42.00	22.24
1.85V	455.0	324.9	205.0	126.7	102.1	81.60	67.73	47.37	39.67	22.03

(Note) The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values. The battery must be fully charged before the capacity test. The C₂₀ should reach 95% after the first cycle and 100% after the third cycle.

