



RA12-18(12V18Ah)

Specification

Cells Per Unit	6
Voltage Per Unit	12
Nominal Capacity	18Ah@20hour-rate to 1.75V per cell @25°C
Weight	Approx. 6.00 Kg (Tolerance ± 5.0%)
Internal Resistance	Approx. 14 mΩ
Terminal	F13-BP(M5)/F3(M5)
Max. Discharge Current	230A (5 sec)
Short Circuit Current	750A
Design Life	10 years (Float charging)
Max. Charging Current	5.4 A
Reference Capacity	C3 14.0AH C5 15.5AH C10 17.0AH C20 18.0AH
Standby Use Voltage	13.7 V~13.9 V @ 25°C Temperature Compensation: -3mV/°C / Cell
Cycle Use Voltage	14.6 V~14.8 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 charge batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



RT series is a general purpose battery with 10 years design life in float service. It meets with IEC, JIS, BS, GB/T and YD/T standards. With advanced AGM valve regulated technology and high purity raw material, the RT series battery maintains high consistency for better performance and reliable standby service life. It is suitable for UPS/EPS, medical equipment, emergency light and security system applications.



ISO 9001



ISO 14001



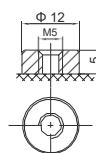
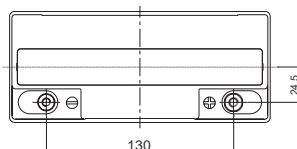
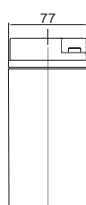
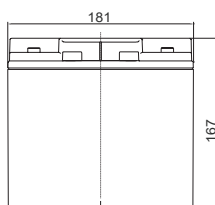
OHSAS 18001



MH 28539



Dimensions



F13-BP TERMINAL

Length	181±2mm (7.13 inches)
Width	77±2mm (3.03 inches)
Height	167±2mm (6.57 inches)
Total Height	167±2mm (6.57 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	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	75.26	49.34	36.75	21.13	12.40	7.075	4.997	3.907	3.261	2.203	1.823	0.936
1.65V	72.47	47.70	35.65	20.68	12.17	6.954	4.920	3.853	3.221	2.179	1.804	0.928
1.70V	68.85	45.55	34.20	20.10	11.86	6.795	4.819	3.782	3.167	2.146	1.780	0.916
1.75V	64.03	42.68	32.26	19.30	11.43	6.576	4.679	3.683	3.092	2.101	1.746	0.900
1.80V	57.63	38.84	29.65	18.20	10.85	6.274	4.486	3.546	2.989	2.037	1.699	0.879
1.85V	48.98	33.60	26.05	16.66	10.02	5.842	4.208	3.348	2.839	1.945	1.630	0.846

Constant Power Discharge Characteristics : WPC (25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	127.6	83.87	64.25	38.37	23.19	13.41	9.54	7.50	6.29	4.30	3.58	1.84
1.65V	126.2	83.22	63.63	38.13	22.99	13.28	9.46	7.44	6.24	4.27	3.55	1.83
1.70V	121.2	80.37	61.59	37.25	22.48	13.01	9.28	7.31	6.15	4.21	3.51	1.81
1.75V	114.7	76.66	58.94	36.14	21.79	12.65	9.05	7.15	6.02	4.13	3.45	1.78
1.80V	105.1	70.98	54.93	34.44	20.77	12.13	8.71	6.91	5.84	4.01	3.36	1.74
1.85V	90.89	62.49	48.94	31.82	19.32	11.36	8.21	6.55	5.57	3.84	3.22	1.68

(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.