

Specification

Voltage Per Unit	12V
Capacity	12Ah@20hour-rate to 1.75V per cell @25°C
Weight	Approx. 3.15Kg (Tolerance ±5%)
Internal Resistance	≤20 mΩ (Full Charge Condition @25°C)
Terminal	Default F2,F1 Optional
Max Discharge Current	120A (5 sec)
Max Charging Current	3.6 A
Reference Capacity	C ₃ 9.00Ah / C ₅ 10.2Ah / C ₁₀ 11.2Ah / C ₂₀ 12.0Ah
Standby Use Voltage	13.7 V~13.9 V @ 25°C
Cycle Use Voltage	14.6 V~14.8 V @ 25°C
Operating Temperature Range	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C Normal: 20°C~30°C
Self Discharge	Self-discharge ratio less than 3% per month at 25°C. Please charge batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.
Dimensions (L×W×H×TH)	151mm×98mm×95mm×101mm (±1.5mm)



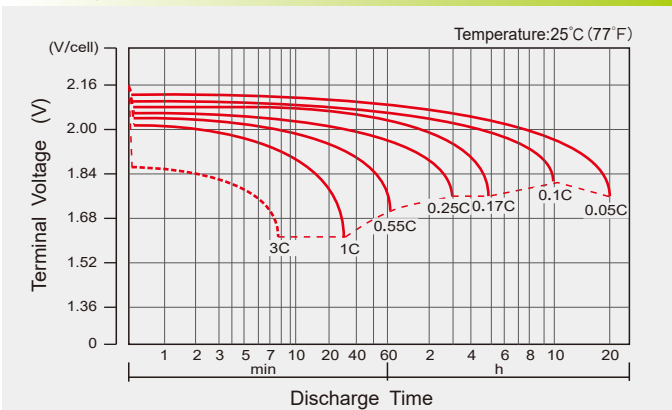
Constant Current Discharge Characteristics : A(25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	44.16	31.53	23.03	13.23	7.332	4.502	3.384	2.732	2.264	1.457	1.183	0.625
1.65V	41.07	29.80	22.02	12.70	7.080	4.358	3.280	2.658	2.205	1.441	1.169	0.615
1.70V	37.05	27.43	20.62	12.14	6.850	4.214	3.190	2.586	2.148	1.418	1.151	0.607
1.75V	33.20	25.11	19.19	11.60	6.600	4.067	3.095	2.520	2.094	1.399	1.136	0.600
1.80V	29.15	22.73	17.72	11.09	6.347	3.921	2.999	2.447	2.040	1.375	1.122	0.594
1.85V	23.14	18.58	14.70	9.549	5.693	3.593	2.773	2.275	1.902	1.291	1.056	0.564

Constant Power Discharge Characteristics : W/Cell(25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	73.21	53.60	40.26	24.02	13.78	8.532	6.463	5.245	4.363	2.845	2.326	1.230
1.65V	68.87	51.63	39.06	23.31	13.38	8.300	6.290	5.122	4.266	2.819	2.301	1.213
1.70V	63.55	48.40	37.13	22.50	13.03	8.070	6.146	5.002	4.169	2.782	2.269	1.199
1.75V	58.20	45.10	35.05	21.73	12.63	7.825	5.988	4.892	4.079	2.749	2.242	1.186
1.80V	52.19	41.54	32.82	20.98	12.21	7.583	5.826	4.769	3.988	2.708	2.216	1.176
1.85V	42.30	34.55	27.63	18.24	11.02	6.985	5.410	4.449	3.731	2.548	2.089	1.118

Discharge Characteristics Curve



Charge Characteristic Curve For Standby Use(IU)

