

Specification

Voltage Per Unit	12V
Capacity	7Ah@20hour-rate to 1.75V per cell @25°C
Weight	Approx. 1.90Kg (Tolerance $\pm 5\%$)
Internal Resistance	$\leq 36 \text{ m}\Omega$ (Full Charge Condition @25°C)
Terminal	Default F2,F1 Optional
Max Discharge Current	70A (5 sec)
Max Charging Current	2.1 A
Reference Capacity	C ₃ 5.25Ah / C ₅ 5.95Ah / C ₁₀ 6.54Ah / C ₂₀ 7.00Ah
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×65mm×94mm×100mm ($\pm 1.5\text{mm}$)



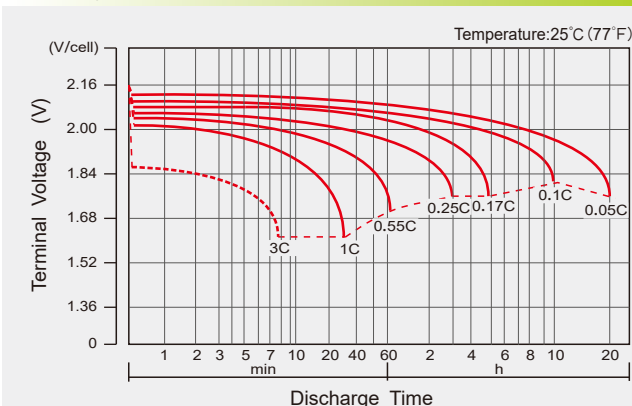
Constant Current Discharge Characteristics : A(25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	25.76	18.39	13.43	7.715	4.277	2.626	1.974	1.594	1.320	0.850	0.690	0.364
1.65V	23.96	17.38	12.84	7.407	4.130	2.542	1.913	1.551	1.286	0.840	0.682	0.359
1.70V	21.62	16.00	12.03	7.080	3.996	2.458	1.861	1.508	1.253	0.827	0.672	0.354
1.75V	19.37	14.65	11.19	6.767	3.850	2.372	1.806	1.470	1.221	0.816	0.663	0.350
1.80V	17.00	13.26	10.34	6.468	3.703	2.288	1.750	1.428	1.190	0.802	0.654	0.347
1.85V	13.50	10.84	8.577	5.570	3.321	2.096	1.618	1.327	1.109	0.753	0.616	0.329

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	42.71	31.27	23.48	14.01	8.037	4.977	3.770	3.060	2.545	1.660	1.357	0.718
1.65V	40.17	30.12	22.78	13.59	7.806	4.841	3.669	2.988	2.489	1.645	1.342	0.707
1.70V	37.07	28.23	21.66	13.12	7.599	4.708	3.585	2.918	2.432	1.623	1.324	0.700
1.75V	33.95	26.31	20.45	12.67	7.366	4.564	3.493	2.854	2.379	1.604	1.308	0.692
1.80V	30.45	24.23	19.15	12.24	7.125	4.423	3.398	2.782	2.326	1.580	1.293	0.686
1.85V	24.67	20.16	16.11	10.64	6.430	4.075	3.156	2.595	2.176	1.487	1.219	0.652

Discharge Characteristics Curve



Charge Characteristic Curve For Standby Use(IU)

