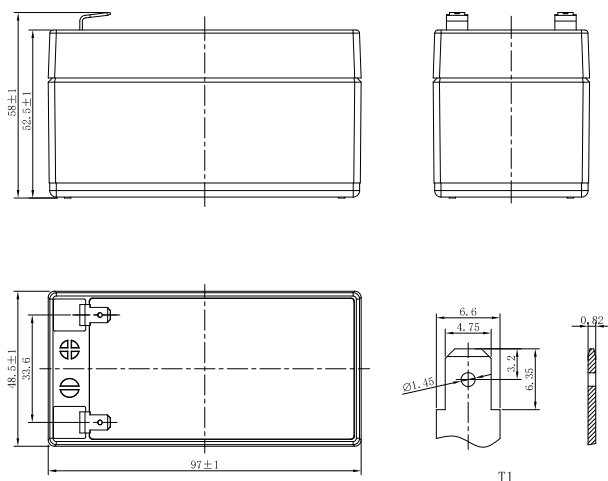




CHARACTERISTICS

Item	Specifications	
Rated Voltage	12V	
Nominal Capacity (25°C)	C ₂₀ 1.75V/cell	1.3Ah
Dimension	Length	97mm (3.82inches)
	Width	48.5mm (1.91inches)
	Container Height	52.5mm (2.07inches)
	Total Height	58.5mm (2.30inches)
Approx Weight	0.57kg (1.26lbs)	
Terminal	T1	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	36.4A	
Internal Resistance (25°C)	Approx 77 mΩ (Fully charged)	
Operating Temp. Range	Discharge	-15~50°C (5~122°F)
	Charge	-20~40°C (-4~104°F)
	Storage	-15~40°C (5~104°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Max.Charging Current (25°C)	0.3C	
Charge voltage (25°C)	Standby Use	Cycle Use
	2.25-2.30V/cell	2.35-2.45V/cell
Temp. Coefficient	-3mV/cell/°C	-5mV/cell/°C
	40°C (104°F)	103%
Effect of temp. to Capacity	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	≤3% per month at 25°C (77°F). SSB iStart AUXILIARY RANGE batteries may be stored up to 6 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	

DISCHARGE TABLE

Constant Current Discharge (Amperes) at 25°C (77°F)																
F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	3.73	2.28	1.78	1.48	1.10	0.813	0.714	0.523	0.411	0.296	0.256	0.218	0.187	0.147	0.120	0.063
1.80V/cell	4.01	2.42	1.86	1.54	1.14	0.835	0.731	0.534	0.418	0.301	0.260	0.221	0.189	0.149	0.122	0.064
1.75V/cell	4.23	2.52	1.92	1.59	1.17	0.853	0.746	0.543	0.426	0.306	0.263	0.224	0.192	0.151	0.123	0.065
1.70V/cell	4.43	2.62	1.99	1.63	1.20	0.872	0.760	0.553	0.432	0.311	0.267	0.227	0.194	0.152	0.124	0.066
1.67V/cell	4.58	2.69	2.04	1.67	1.22	0.886	0.771	0.560	0.437	0.314	0.269	0.229	0.196	0.153	0.125	0.067
1.60V/cell	4.86	2.80	2.11	1.72	1.25	0.908	0.789	0.572	0.446	0.319	0.274	0.232	0.198	0.156	0.127	0.068
Constant Power Discharge (Watts/cell) at 25°C (77°F)																
F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	7.06	4.34	3.40	2.86	2.13	1.58	1.39	1.02	0.804	0.583	0.504	0.430	0.369	0.291	0.239	0.127
1.80V/cell	7.52	4.57	3.55	2.96	2.19	1.61	1.42	1.04	0.817	0.591	0.511	0.436	0.374	0.295	0.242	0.129
1.75V/cell	7.84	4.72	3.64	3.02	2.23	1.64	1.44	1.05	0.830	0.599	0.517	0.441	0.378	0.298	0.244	0.130
1.70V/cell	8.13	4.87	3.74	3.09	2.28	1.67	1.46	1.07	0.840	0.607	0.523	0.446	0.382	0.301	0.246	0.132
1.67V/cell	8.34	4.98	3.82	3.15	2.32	1.70	1.48	1.08	0.848	0.612	0.527	0.449	0.385	0.303	0.248	0.134
1.60V/cell	8.68	5.13	3.92	3.23	2.37	1.73	1.51	1.10	0.862	0.621	0.535	0.455	0.390	0.307	0.251	0.136



SSAUX1.3 [12V1.3Ah]

iStart AUXILIARY RANGE BATTERY

APPLICATIONS

- All purpose
- Uninterruptable Power Supply (UPS)
- Electric Power System (EPS)
- Emergency backup power supply
- Alarm and security system
- Communication power supply
- DC power supply
- Auto control system

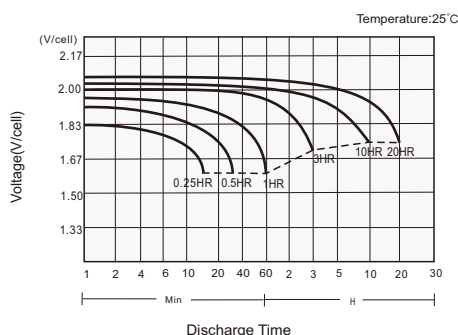
GENERAL FEATURES

- 5 years design life (25°C)
- Lead calcium alloy, sealed design, no watering required
- Puncture resistant micro-porous glass mat separators extend life
- Unique technology optimizes power capacity, cell consistency, and long-term reliability
- Designed for a wide range of applications

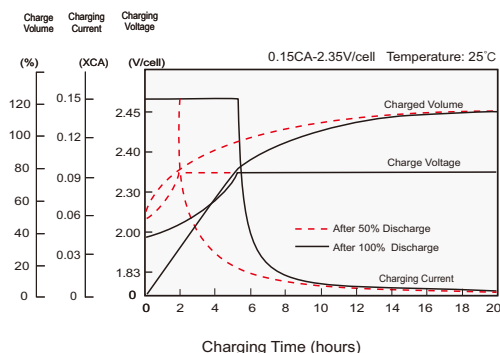
STANDARDS

- Compliance with IEC 60896 standards, EU Battery Directive
- UL, CE Approved
- ISO 45001, ISO 9001 and ISO 14001 certified production facilities

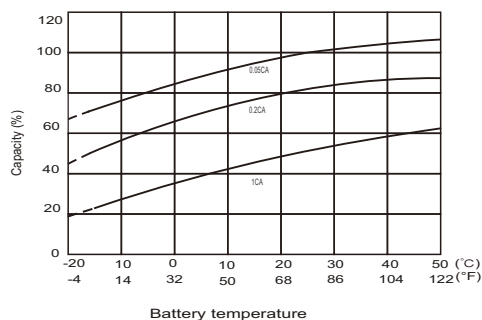
Discharge Characteristics



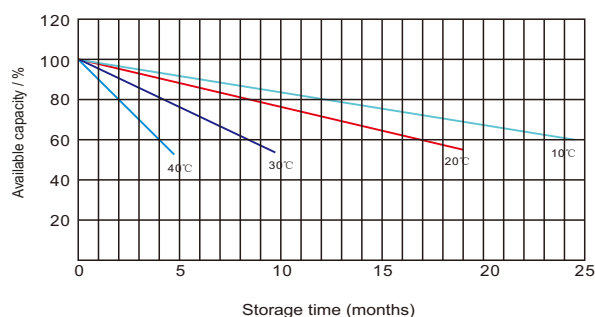
Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics



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