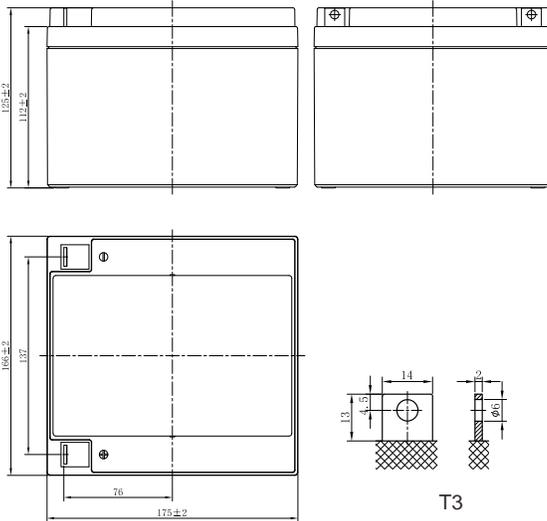




EV SERIES-GENERAL PURPOSE

EV-12V26Ah (12V26Ah)



CHARACTERISTICS

Specifications		
Item	12V	
Rated Voltage	C20, 1.75V/cell 26Ah	
Nominal Capacity (25°C)	Length	166mm (6.54inches)
	Width	175mm (6.89inches)
	Container Height	125mm (4.92inches)
	Total Height	125mm (4.92inches)
Approx Weight	7.8kg (17.2lbs)	
Terminal	T3	
Container Material	ABS (UL94 HB)	
Short-circuit current	650A	
Internal Resistance (25°C)	Approx 14 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	2.35-2.40V/cell
Temp. Coefficient		
	-3mV/cell/°C	-5mV/cell/°C
Effect of temp. to Capacity	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%

≤3% per month at 25°C (77°F).

Self Discharge

EV series 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	49.9	34.8	28.7	24.8	20.0	15.4	12.6	9.39	7.67	5.84	4.81	4.08	3.54	2.81	2.34	1.27
1.80V/cell	61.4	41.5	33.3	28.2	22.1	16.7	13.5	10.0	8.15	6.15	5.06	4.25	3.69	2.91	2.42	1.29
1.75V/cell	72.7	46.9	36.7	30.7	23.7	17.8	14.2	10.5	8.50	6.36	5.21	4.37	3.78	2.99	2.47	1.30
1.70V/cell	82.6	51.7	39.8	32.9	24.8	18.5	14.8	10.9	8.85	6.57	5.34	4.47	3.87	3.04	2.51	1.33
1.67V/cell	91.0	55.6	42.0	34.6	25.9	19.2	15.4	11.3	9.11	6.73	5.45	4.58	3.94	3.08	2.54	1.34
1.60V/cell	95.4	58.0	43.8	35.6	26.5	19.6	15.8	11.5	9.40	6.90	5.59	4.67	4.02	3.15	2.59	1.35

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	94.1	66.3	55.3	48.2	39.0	30.2	24.7	18.5	15.2	11.6	9.58	8.16	7.09	5.64	4.71	2.57
1.80V/cell	114.4	78.3	63.4	54.1	42.8	32.6	26.5	19.7	16.1	12.1	10.0	8.45	7.35	5.82	4.85	2.59
1.75V/cell	133.9	87.6	69.3	58.5	45.4	34.5	27.7	20.5	16.7	12.5	10.3	8.63	7.49	5.94	4.90	2.60
1.70V/cell	150.3	95.7	74.4	62.3	47.5	35.6	28.7	21.2	17.2	12.8	10.5	8.80	7.62	5.99	4.97	2.63
1.67V/cell	163.4	101.5	77.7	64.7	49.0	36.8	29.8	22.0	17.6	13.1	10.6	8.96	7.74	6.06	5.01	2.65
1.60V/cell	168.9	104.5	80.1	66.0	49.8	37.2	30.2	22.2	18.1	13.3	10.8	9.07	7.85	6.16	5.06	2.66

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

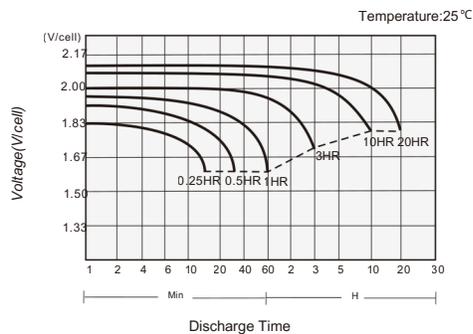
GENERAL FEATURES

- 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

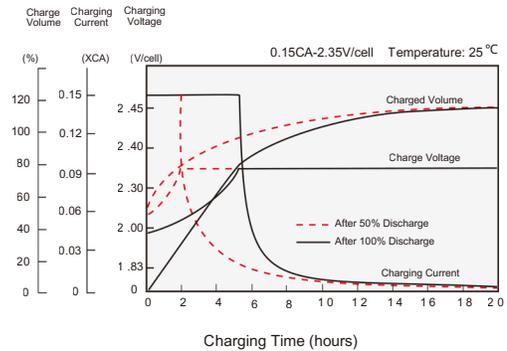
STANDARDS

- Compliance with IEC 60896 standards, EU Battery Directive
- UL, CE Approved
- Certified production facilities, IATF 16949, ISO 45001, ISO 9001 and ISO 14001.

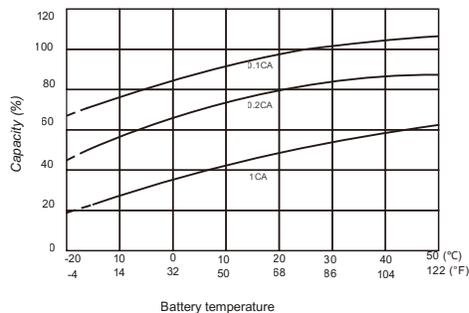
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

