

## CJ12-2.6 (12V2.6AH)



Specification		
Nominal Voltage	12V	
Nominal Capacity(20HR)	2.6AH	
Dimension	Length	178 ±1mm (7.00 inches)
	Width	35 ±1mm (1.38 inches)
	Container Height	60 ±1mm (2.36 inches)
	Total Height (with Terminal)	66 ±1mm (2.60 inches)
	Approx Weight	Approx 0.91 kg (2.01lbs)
Terminal	T1	
Container Material	ABS	
Rated Capacity	2.60 AH/0.130A	(20hr, 1.80V/cell, 25°C/77°F)
	2.42 AH/0.242A	(10hr, 1.80V/cell, 25°C/77°F)
	2.21 AH/0.44A	(5hr, 1.75V/cell, 25°C/77°F)
	1.99 AH/0.66A	(3hr, 1.75V/cell, 25°C/77°F)
	1.63 AH/1.63A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	39A (5s)	
Internal Resistance	Approx 100m Ω	
Operating Temp. Range	Discharge :	-15 ~ 50°C (5 ~ 122°F)
	Charge :	0 ~ 40°C (32 ~ 104°F)
	Storage :	-15 ~ 40°C (5 ~ 104°F)
Nominal Operating Temp. Range	25 ±3°C (77 ±5°F)	
Cycle Use	Initial Charging Current less than 0.78A. Voltage	
	14.4V~15.0V at 25°C (77°F)Temp. Coefficient -30mV/°C	
Standby Use	No limit on Initial Charging Current Voltage	
	13.5V~13.8V at 25°C (77°F)Temp. Coefficient -20mV/°C	
Capacity affected by Temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	CJ series batteries may be stored for 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.	

### Applications

- ◆ All purpose
- ◆ Uninterruptable Power Supply(UPS)
- ◆ Electric Power System(EPS)
- ◆ Emergency backup power supply
- ◆ Emergency light
- ◆ Railway signal
- ◆ Aircraft signal
- ◆ Alarm and security system
- ◆ Electronic apparatus and equipment
- ◆ Communication power supply
- ◆ DC power supply
- ◆ Auto control system



### Constant Current Discharge (Amperes) at 25 °C (77 °F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	4.95	3.80	3.15	2.72	2.11	1.55	1.31	0.77	0.61	0.49	0.40	0.348	0.281	0.235	0.129
1.80V/cell	6.65	4.86	3.81	3.22	2.48	1.80	1.46	0.84	0.65	0.53	0.43	0.373	0.298	0.242	0.130
1.75V/cell	7.49	5.34	4.16	3.46	2.58	1.87	1.53	0.88	0.66	0.54	0.44	0.384	0.303	0.248	0.131
1.70V/cell	8.25	5.82	4.44	3.64	2.68	1.95	1.58	0.90	0.68	0.55	0.45	0.392	0.307	0.253	0.134
1.65V/cell	9.10	6.28	4.72	3.87	2.83	2.00	1.62	0.91	0.71	0.57	0.47	0.400	0.312	0.258	0.135
1.60V/cell	10.0	6.82	5.05	4.12	2.99	2.08	1.63	0.95	0.73	0.59	0.48	0.409	0.315	0.261	0.136

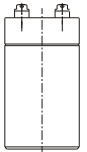
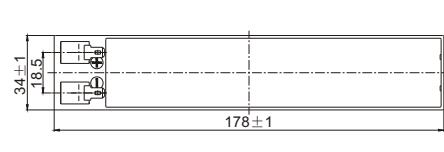
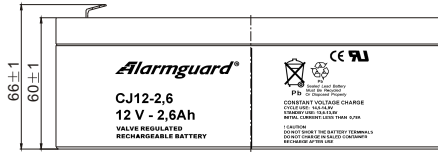
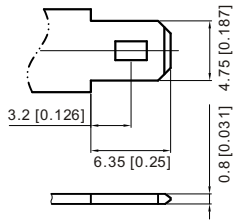
### Constant Power Discharge (Watts) at 25 °C (77 °F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	9.05	7.02	5.88	5.13	4.01	2.98	2.52	1.50	1.18	0.96	0.79	0.684	0.554	0.464	0.255
1.80V/cell	12.0	8.87	7.01	5.98	4.66	3.44	2.81	1.63	1.26	1.02	0.84	0.731	0.586	0.478	0.257
1.75V/cell	13.3	9.59	7.56	6.37	4.80	3.54	2.93	1.68	1.28	1.04	0.86	0.749	0.595	0.490	0.259
1.70V/cell	14.2	10.2	7.96	6.64	4.97	3.66	3.01	1.72	1.31	1.07	0.88	0.763	0.603	0.499	0.264
1.65V/cell	15.4	10.9	8.40	7.01	5.20	3.72	3.06	1.74	1.36	1.10	0.90	0.777	0.611	0.509	0.267
1.60V/cell	16.6	11.6	8.83	7.38	5.45	3.86	3.07	1.80	1.40	1.13	0.93	0.792	0.615	0.514	0.268

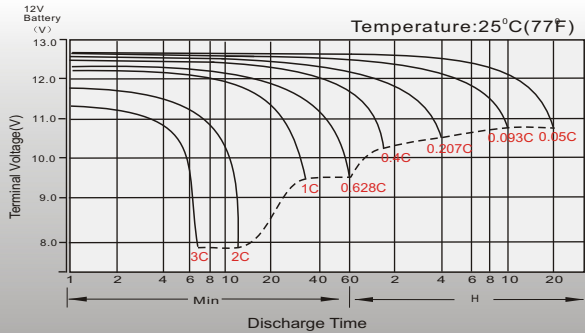
# Dimensions

## T1 Terminal

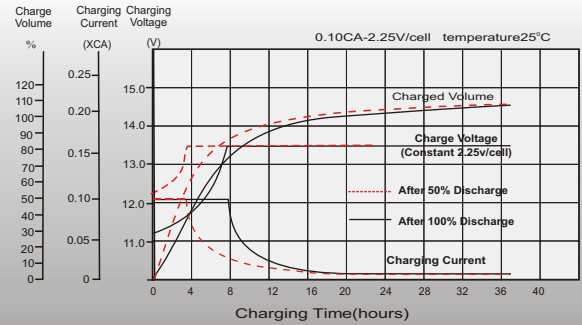
Unit: mm [inches]



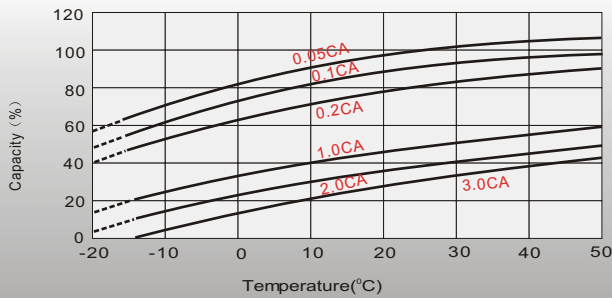
## Discharge Characteristics



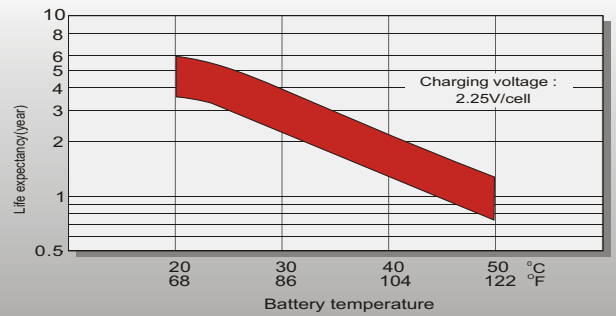
## Float Charging Characteristics



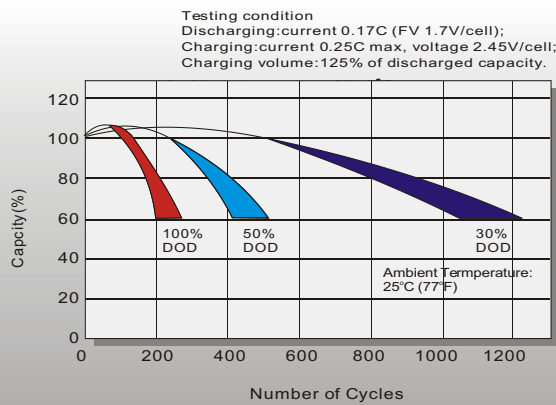
## Temperature Effects in Relation to Battery Capacity



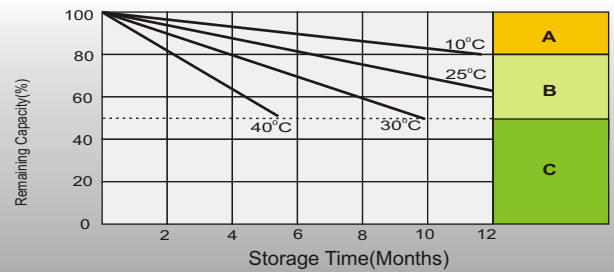
## Effect of Temperature on Long Term Float Life



## Cycle Life in Relation to Depth of Discharge



## Self Discharge Characteristics



- A** No supplementary charge required (Carry out supplementary charge before use if 100% capacity is required.)
- B** Supplementary charge required before use. Optional charging way as below:  
 1. Charged for above 3 days at limited current 0.25CA and constant voltage 2.25V/cell.  
 2. Charged for above 20 hours at limited current 0.25CA and constant voltage 2.45V/cell.  
 3. Charged for 8-10 hours at limited current 0.05CA.
- C** Supplementary charge may often fail to recover the capacity. The battery should never be left standing till this is reached.