

Specifications

Nominal Voltage		12 V
Capacity (25°C)	20HR(10.5V)	26 Ah
	10HR(10.5V)	24.2Ah
	1HR(9.60V)	16.3Ah
Dimension	Length	165 ± 2mm (6.50inch)
	Width	176 ± 2mm (6.93inch)
	Height	127 ± 2mm (5.00inch)
	Total Height	127 ± 2mm (5.00inch)
Approx. Weight		7.6kg (17.4lbs)±4%
Terminal type		T3/T8
Internal resistance (Fully charged, 25°C)		Approx. 12mΩ
Capacity affected by temperature (20HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating temperature		25°C ± 3°C (77°F ± 5°F)
Operating temperature range	Discharge	-15°C ~ 50°C (5°F ~ 122°F)
	Charge	-10°C ~ 50°C (14°F ~ 122°F)
	Storage	-20°C ~ 50°C (-4°F ~ 122°F)
Float charging voltage(25°C)		13.60 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.50 to 14.90V Temperature compensation: -30mV/°C
Maximum charging current		7.8A
Terminal material		Copper
Maximum discharge current		390A(5 sec.)

- ◆ Absorbent glass mat technology;
- ◆ Recognized by UL & CE;
- ◆ ABS container.

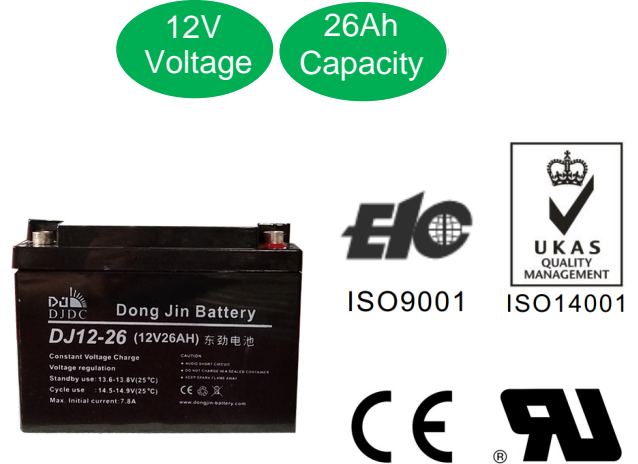
Constant Current Discharge Characteristics (A, 25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	97.44	63.55	46.89	27.13	15.68	9.74	7.08	5.64	4.76	2.59	1.354
1.65V	93.92	61.65	45.65	26.54	15.38	9.59	6.98	5.57	4.7	2.57	1.343
1.70V	89.34	59.17	44.04	25.75	15	9.4	6.86	5.47	4.63	2.53	1.328
1.75V	83.46	55.96	41.94	24.72	14.5	9.15	6.69	5.35	4.53	2.49	1.309
1.80V	76.04	51.85	39.23	23.38	13.83	8.82	6.47	5.19	4.4	2.43	1.284

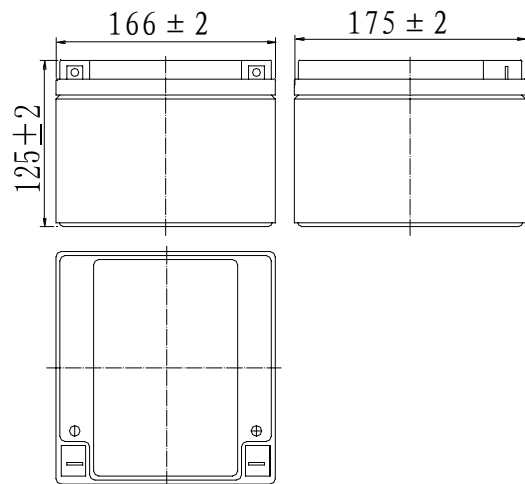
Constant Power Discharge Characteristics (Watt, 25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	167.76	109.65	83.18	50.02	29.75	18.73	13.72	10.99	9.31	5.16	2.71
1.65V	165.97	109.15	82.69	49.65	29.51	18.59	13.62	10.91	9.24	5.12	2.69
1.70V	159.6	105.97	80.5	48.45	28.88	18.28	13.41	10.75	9.12	5.06	2.66
1.75V	151.84	101.99	77.71	46.99	28.04	17.87	13.14	10.55	8.97	4.99	2.63
1.80V	140.7	96.18	73.73	44.9	26.89	17.31	12.77	10.26	8.74	4.88	2.58

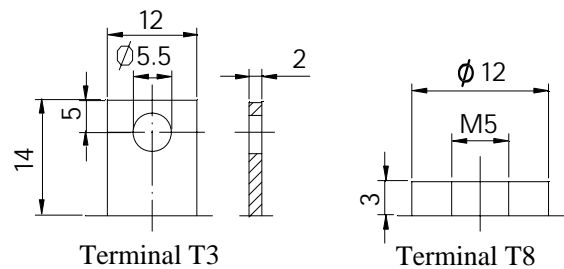
Note: The above characteristics data can be obtained within three charge/discharge cycles.



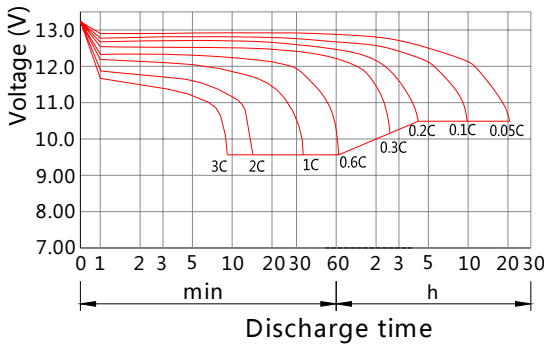
Dimensions



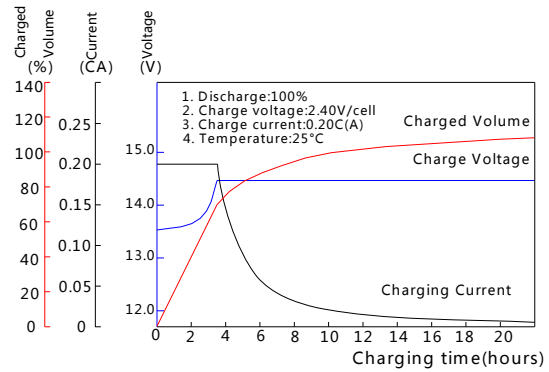
Terminal



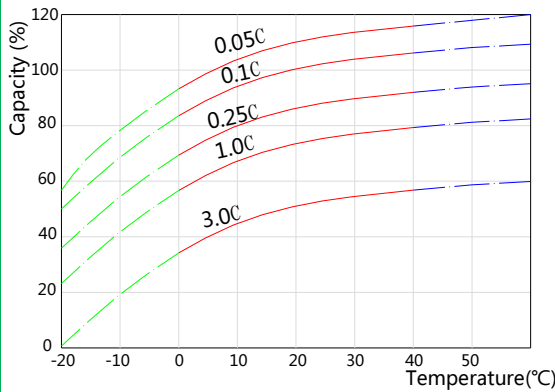
Discharge Characteristics(25°C)



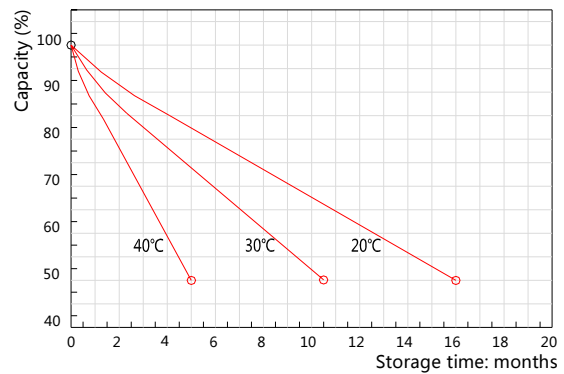
Charging Characteristics(25°C)



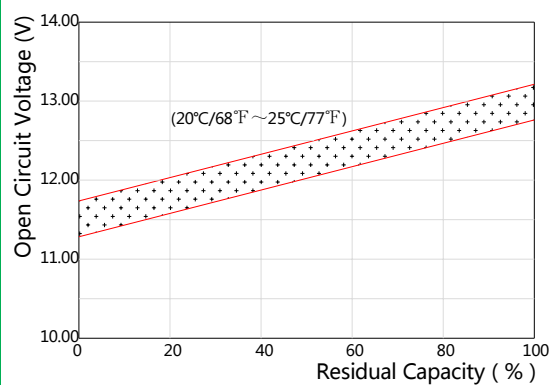
Effect of Temperature on Capacity



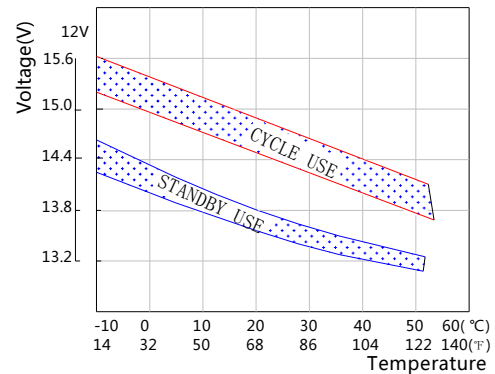
Self-discharge Characteristics



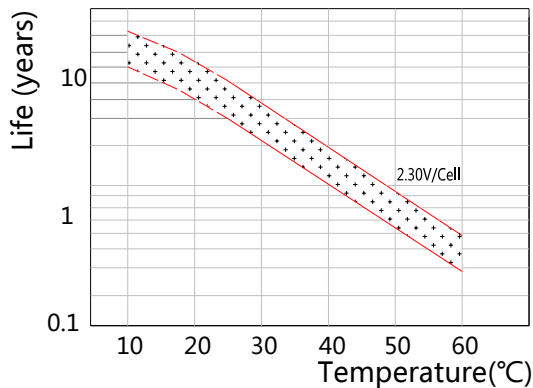
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D.(25°C)

