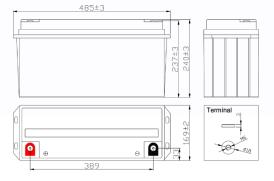
(12V 150Ah)



SPECIFICATION

Nominal Voltage	12V (6 cells in series)				
Rated Capacity	150Ah	(C ₁₀ ,1.80V/cell)			
Dimensions(mm)	Length Width Height Total Height	$485\pm3 \text{ mm}$ $169\pm2 \text{ mm}$ $240\pm3 \text{ mm}$ $240\pm3 \text{ mm}$			
Nominal Capacity @25℃ (Ah)	20 Hour rate (8.175A to 10.8 volt 10 Hour rate (15.30A to 10.8 volt 5 Hour rate (26.25A to 10.8 volt 1 Hour rate (94.95A to 10.5 volt	s) 153.0Ah s) 131.2Ah			
Approx. Weight	43.5 kg				
Terminal	T13				
Max.Discharge Current	1200A @25°C (5s)				
Internal Resistance	4mΩ @25℃ (Full Charged Batte	ery)			
DOD 80%	≥450 Cycles @25°C				
Ambient Temperature	Charge : -15℃~50℃ Discharge : -20℃~60℃ Storage : -20℃~50℃				
Container Material	A.B.S, UL94-HB, UL94-V0, Optional				
Self Discharge	Deep Cycle Battery can be stored from months at 25°C. Self-Discharge ratiper month at 25°C. Please charge busing.	o less than 3%			





CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A), (25°C)

F.V/Time	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	510.0	339.8	272.1	168.8	97.50	58.28	41.40	27.72	18.63	15.90	8.700
1.70V/cell	457.5	312.8	258.8	164.3	96.15	57.53	40.65	27.06	18.33	15.68	8.475
1.75V/cell	412.5	288.8	246.8	159.8	94.95	56.78	40.20	26.66	18.15	15.53	8.325
1.80V/cell	367.5	263.3	231.8	153.6	93.00	56.00	39.75	26.25	17.88	15.30	8.175

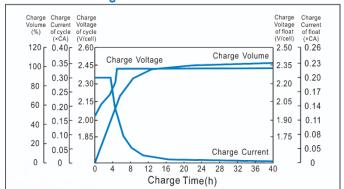
CONSTANT WATTAGE DISCHARGE CHARACTERISTICS (WATT), (25°C)

F.V/Time	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/ceII	879.8	605.9	494.3	315.0	186.9	113.6	82.11	55.12	37.07	31.67	17.39
1.70V/cell	808.3	568.2	476.5	309.3	185.1	112.7	80.83	53.94	36.57	31.30	16.95
1.75V/cell	739.1	531.8	458.5	303.5	183.6	111.7	80.13	53.27	36.30	31.05	16.65
1.80V/cell	667.6	491.4	434.5	294.4	180.6	111.1	79.43	52.50	35.76	30.60	16.35

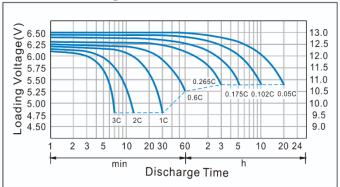




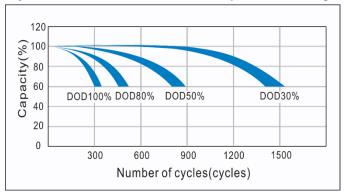
Charge Characteristics Curve



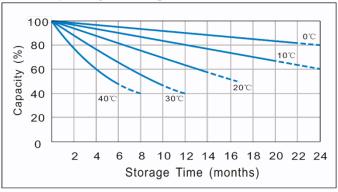
Discharge Characteristics Curve



Cycle service life in relation to depth of discharge



Capacity Storage Characteristics



CAPACITY FACTORS WITH DIFFERENT TEMPERATURE

Battery	type	-20°C	-10°C	0°C	5°C	10°C	20°C	25°C	30°C	40°C	45°C
CEL Bettem	6V & 12V	50%	70%	83%	85%	90%	98%	100%	102%	104%	105%
GEL Battery	2V	60%	75%	85%	88%	92%	99%	100%	103%	105%	106%
ACM Dattem	6V & 12V	46%	66%	76%	83%	90%	98%	100%	103%	107%	109%
AGM Battery	2V	55%	70%	80%	85%	92%	99%	100%	104%	108%	110%

MAINTENANCE & CAUTIONS

☑ Charging Procedure:

Application	Charging method	Charge voltage at 25℃	Temperature compensation coefficient of charging voltage	Max.charging current	Temperature
For standby power source	Constant voltage charging	2.25~2.30 V/cell	−3mV/°C/cell	0.2CA	-15~50℃
For cycle service	(With current restriction)	2.40~2.45 V/cell	-4mV/℃/cell	0.3CA	-15~50 €

Float service:

Every month, recommend inspection every battery voltage.

Every three months, recommend equalization charge for one time. Equalization charge method: Step 1:Discharge: 100% rate capacity discharge. Step 2:Charge: Max. Current 0.3CA, constant voltage 2.40-2.45V/Cell charge 24h.

Cycle service:

Avoid battery over discharge, especially battery sereis connection use.

Charged with recommend voltage, ensure battery can be full recharged.

Ingeneral, recharge capacity should be 1.1~1.15 times discharge capacity.

- Length of service life will be directly affected by the number of discharge cycles, depth of discharge, Ambient temperature and charging voltage.
- ☑ Charge the batteries at least once every six months, if they are stored at 25°C.Charging Method:

Constant Voltage: -0.2C × 2h+2.40~2.45V/cell × 24h, Max. Current 0.25CA

Constant Current : -0.2C \times 2h+0.1C \times 12h

Fast: $-0.2C \times 2h + 0.3C \times 4h$

✓ Terminal of torque:

Bolt	M5	M6	M8
Terminal	T3、T10	T4、T7、T11、T12、T13	T5、T6、T8、T9、T14
Torque	6~7N.m	8~10N.m	10~12N.m

Note: The manufacturer reserves the right to change and modify the design and specifications without prior notice