JCC12-8

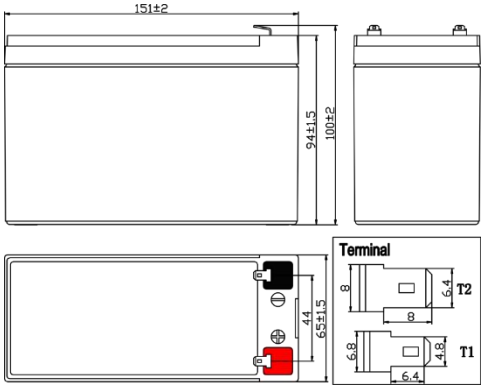
12V 8Ah



JAPCELL JCC12-8 is a Deep Cycle AGM battery. It is designed for stand-by applications such as UPS-systems, or Solar systems.

SPECIFICATION

Nominal Voltage	12V (6 cells in series)
Rated Capacity	8.0Ah (C_{20},1.75V/cell)
Dimensions(mm)	151Length x 65Width x 94mm(max.100)Height
Nominal Capacity @25℃ (Ah)	20 Hour rate (0.412A to 10.5 volts) 8.24 Ah 10 Hour rate (0.787A to 10.5 volts) 7.78 Ah 5 Hour rate (1.407A to 10.5 volts) 7.03 Ah 1 Hour rate (5.200A to 9.6 volts) 5.20 Ah 15 min rate (15.40A to 9.6 volts) 3.85 Ah
Approx. Weight	2.35 kg
Terminal	F2
Max.Discharge Current	120A @25℃ (5s)
Internal Resistance	22mΩ @25℃
DOD 80%	≥450 Cycles @25℃
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 for more than 6 months at 25℃. Self-Discharge ratio less than 3%per month at 25℃. Please charge batteries before using.



CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A), (25℃)

F.V/Time	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	31.56	20.68	15.40	8.200	5.200	2.930	2.134	1.439	0.953	0.816	0.437
1.70V/cell	28.64	19.16	14.52	7.960	5.084	2.884	2.081	1.418	0.938	0.795	0.421
1.75V/cell	25.72	17.96	13.72	7.720	5.020	2.860	2.060	1.407	0.930	0.787	0.412
1.80V/cell	23.08	16.80	12.92	7.480	4.948	2.836	2.036	1.391	0.918	0.775	0.395

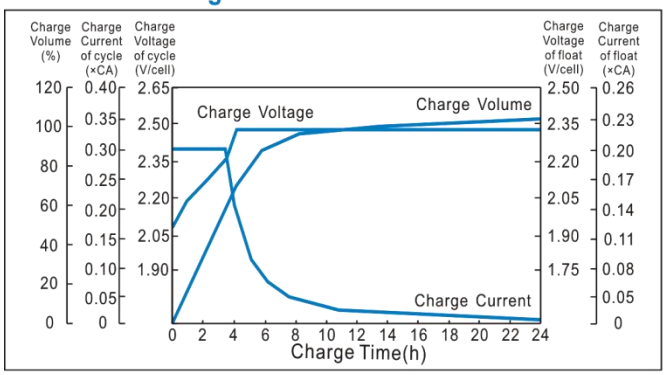
JCC12-8

12V 8Ah

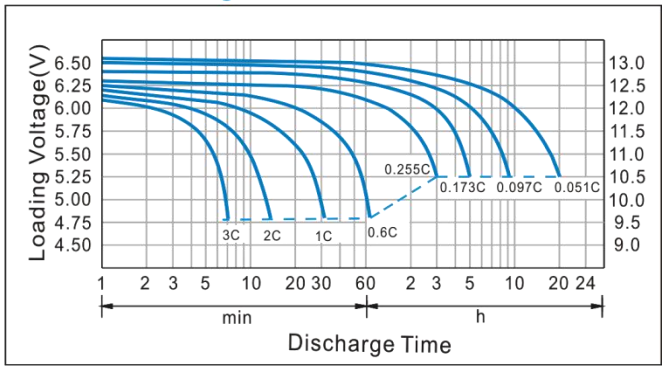
CONSTANT WATTAGE DISCHARGE CHARACTERISTICS (WATT), (25℃)

F.V/Time	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	57.07	37.74	28.36	15.65	10.31	5.810	4.253	2.871	1.901	1.629	0.874
1.70V/cell	52.75	35.61	27.23	15.32	10.13	5.744	4.155	2.832	1.874	1.590	0.843
1.75V/cell	48.01	33.97	25.95	14.99	10.01	5.701	4.117	2.812	1.859	1.576	0.827
1.80V/cell	43.47	32.06	24.66	14.65	9.871	5.658	4.072	2.782	1.835	1.552	0.794

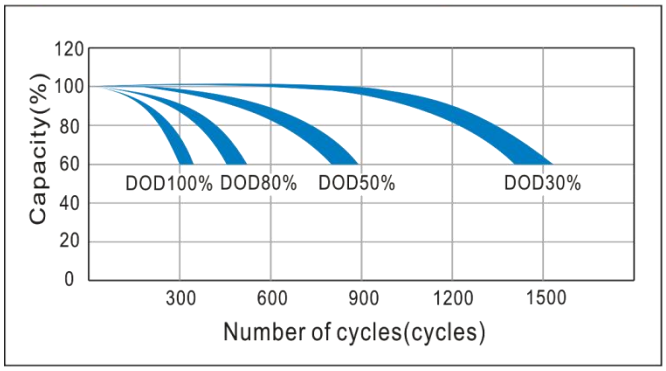
Charge Characteristics Curve



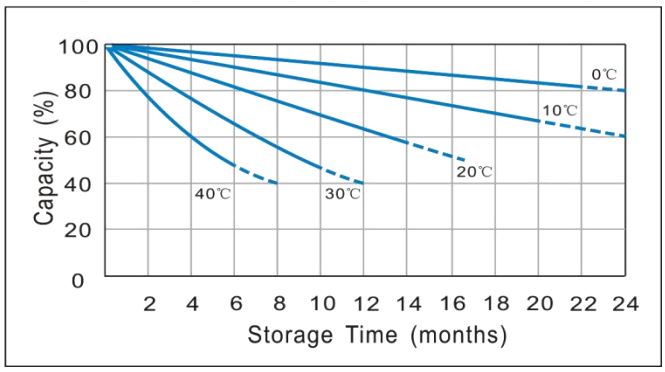
Discharge Characteristics Curve



Cycle service life in relation to depth of discharge



Capacity Storage Characteristics



CAPACITY FACTORS WITH DIFFERENT TEMPERATURE

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

CHARGING METHOD

☼ 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 (With current restriction)	2.25~2.30 V/cell	-3mV/℃/cell	0.2CA	-15~50℃
For cycle service		2.45~2.50 V/cell	-4mV/℃/cell	0.3CA	

☼ 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.

☼ Charge the batteries at least once every six months, if they are stored at 25℃.

Constant Voltage : -0.2C×2h+2.45-2.50V/cell×24h , Max. Current 0.25CA

Constant Current : -0.2C×2h+0.1C×12h

Fast : -0.2C×2h+0.3C×4h