



DATASHEET

DCC 150-12

12V 150AH

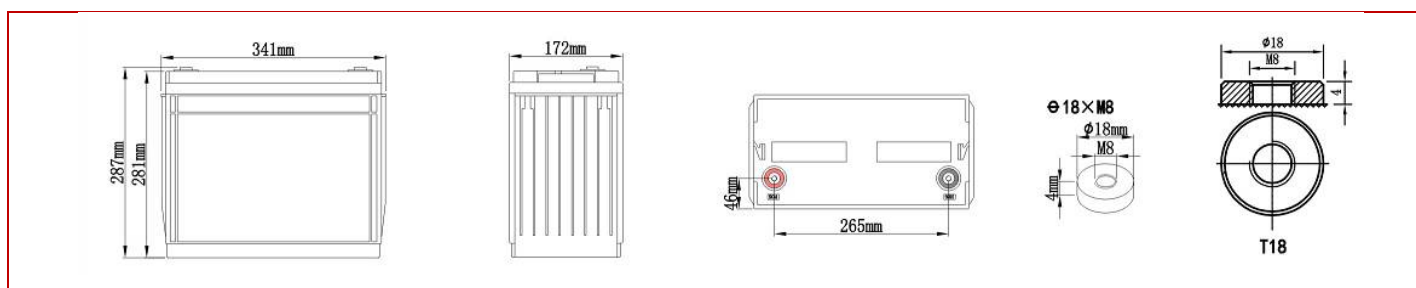
LEAD CARBON BATTERY

EUROBAT 2022 CLASSIFICATION: 15 Years – Very Long Life

Designed in accordance with IEC 60896-21/22

SPECIFICATIONS

Nominal Voltage	Nominal Capacity	Dimension ± 3mm				Weight	Short-Circuit Current	Internal Resistance	Standard Terminal	Container Material
		L	W	H	TH					
12V	150AH	341mm	172mm	281mm	287mm	43kg	-	≈3.7 mΩ	M8	ABS UL94-V0

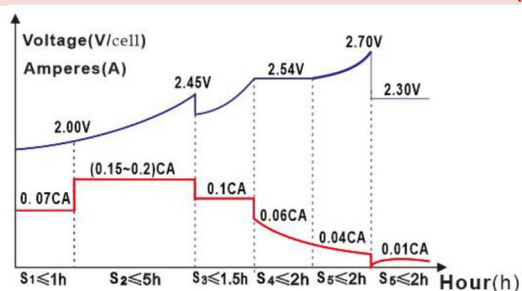
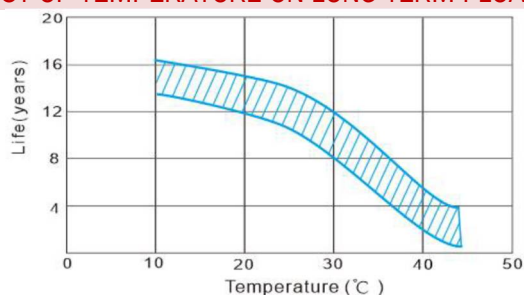
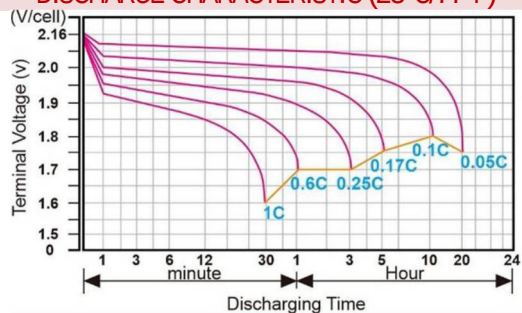
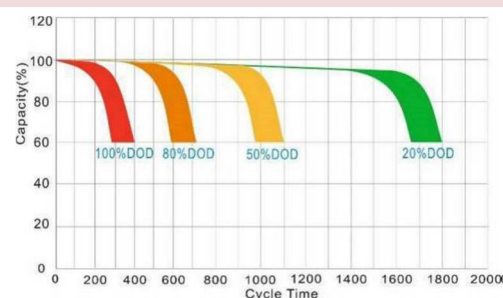
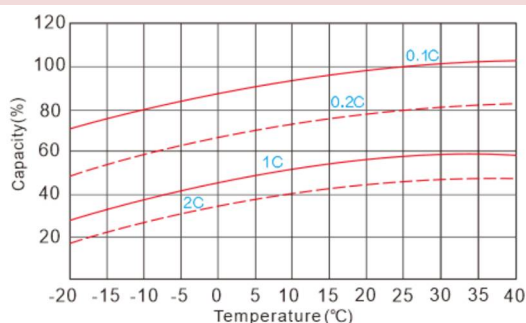
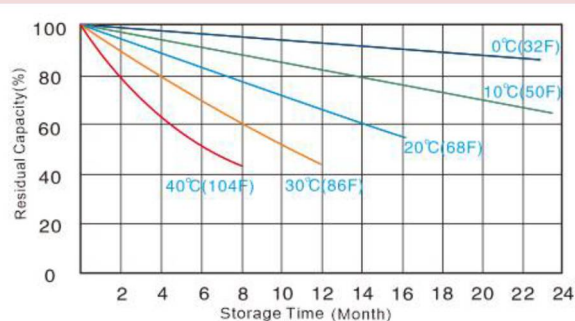


CONSTANT-VOLTAGE CHARGE

Rated Capacity	
20 hour rate (7.5A)	156.0AH
10 hour rate (15.0A)	150.0AH
5 hour rate (25.5A)	128.0AH
3 hour rate (37.5A)	112.8AH
1 hour rate (82.5A)	84.0AH
Capacity affected by temperature	
40°C (104°F)	103%
25°C (77°C)	100%
0°C (32°F)	86%

Cycle Application
1. Limit initial current less than 30A.
2. Charge until battery voltage (under charge) reaches 14.6V to 14.8V at 25°C(77°F).
3. Hold at 14.6V to 14.8V until current drop to under 0.9A for at least 3 hours.
4. Temperature compensation coefficient of charging voltage is -30mV/°C.
Standby Service
1. Hold battery across constant voltage source of 13.6 to 13.8 volts with current limit 30A continuously .When held at this voltage , the battery will seek its own current level and maintain itself in a fully charge status.
2. Temperature compensation coefficient of charging voltage is -18mV/°C.

NOTE : The battery should be charged within 6 months of storage, Otherwise, permanent loss of capacity might occur as a result of sulfation.

CHARGE CHARACTERISTIC CURVE FOR CYCLE USE(IIUU)

EFFECT OF TEMPERATURE ON LONG TERM FLOAT LIFE

DISCHARGE CHARACTERISTIC (25°C/77°F)

CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE

CAPACITY CURVE AT DIFFERENT TEMPERATURE

SELF DISCHARGE CHARACTERISTICS


End Voltage (V)	Minute (M)				Hour (H)							
	10	15	30	45	1	1.5	2	3	5	8	10	20

Constant Current Discharge Data Sheet (@25°C) Unit: A

9.6V	328	267	151	132	84	66.0	54.9	38.5	27.1	18.6	15.5	8.11
9.9V	320	260	147	130	82	65.5	54.5	38.1	26.5	18.3	15.4	8.04
10.2V	313	254	143	128	81	65.0	54.1	37.6	26.0	18.0	15.3	7.96
10.5V	302	245	138	124	80	64.0	53.5	36.6	25.6	17.5	15.1	7.88
10.8V	289	235	133	120	79	63.0	52.7	35.4	24.8	17.2	15.0	7.80

Constant Power Discharge Data Sheet (@25°C) Unit: W

9.6V	3507	2851	1685	1462	964	822	619	452	291	214	175	94
9.9V	3425	2785	1654	1435	947	805	611	447	287	207	173	93
10.2V	3347	2721	1624	1407	929	788	601	439	282	199	171	90
10.5V	3246	2639	1576	1362	901	762	587	422	276	196	167	87
10.8V	3146	2557	1527	1318	873	733	573	408	270	189	162	85