



DATASHEET

DCC 200-12S

12V 200AH

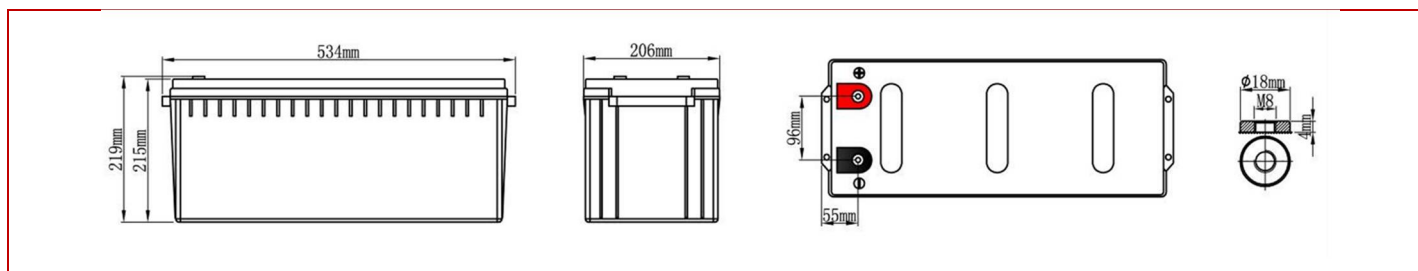
LEAD CARBON BATTERY

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	200AH	534mm	206mm	215mm	219mm	54.3kg	-	≈3.1 mΩ	M8	ABS UL94-V0



CONSTANT-VOLTAGE CHARGE

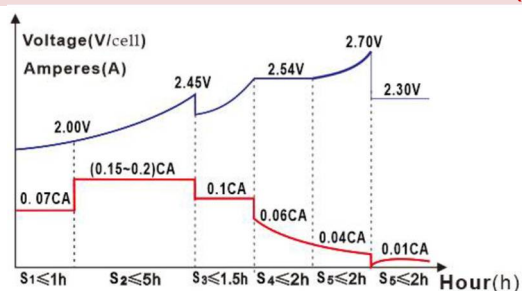
Rated Capacity	
20 hour rate (9.25A)	200AH
10 hour rate (18.5A)	185.0AH
5 hour rate (31.5A)	157.5AH
3 hour rate (46.3A)	138.9AH
1 hour rate (101.75A)	103AH
Capacity affected by temperature	
40°C (104°F)	103%
25°C (77°C)	100%
0°C (32°F)	86%

Wide Operating Temp. Range
-20°C ~ 50°C

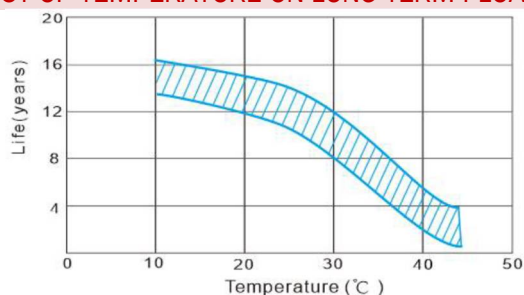
Cycle Application
1. Limit initial current less than 37A.
2. Charge until battery voltage (under charge) reaches 14.6V to 14.8V at 25°C(77°F).
3. Hold at 14.6V to 14.8V until current drop to under 1.11A for at least 3 hours.
4. Temperature compensation coefficient of charging voltage is -30mV/°C.
Standby Service
1. Hold battery across constant voltage source of 13.6 to 13.8 volts with current limit 37A 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.

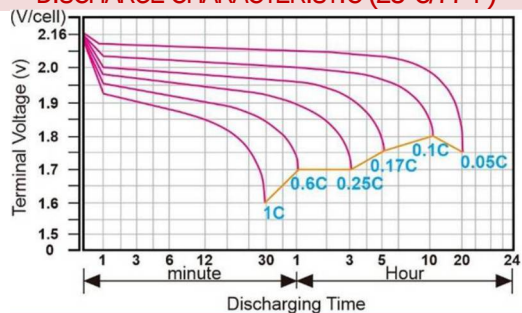
CHARGE CHARACTERISTIC CURVE FOR CYCLE USE(IIUU)



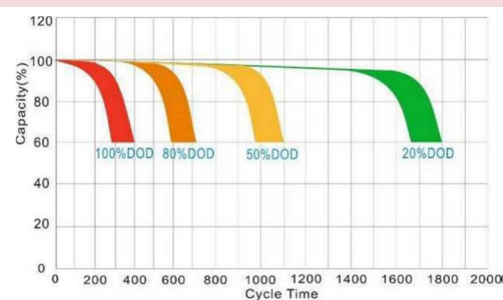
EFFECT OF TEMPERATURE ON LONG TERM FLOAT LIFE



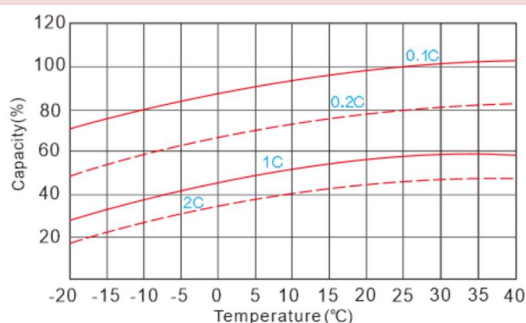
DISCHARGE CHARACTERISTIC (25°C/77°F)



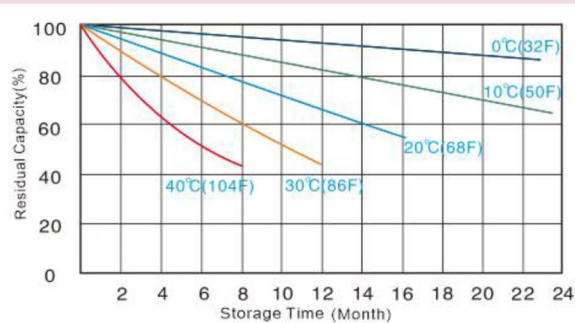
CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



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	306	248	136	122	103	82	68	47.3	33.3	22.7	19.1	10.13
9.9V	300	243	134	121	102	81	67	46.9	32.5	22.2	19.0	10.03
10.2V	293	239	132	120	100	80	66	46.3	31.9	21.7	18.9	9.93
10.5V	287	234	130	118	98	79	65	45.1	31.5	21.1	18.7	9.83
10.8V	282	230	129	117	97	78	64	43.5	30.4	20.8	18.5	9.74

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

9.6V	3614	2939	1680	1493	1119	895	740	561	365	277	218	118
9.9V	3564	2898	1656	1472	1103	883	729	556	362	274	217	117
10.2V	3514	2857	1633	1452	1089	870	719	550	357	272	216	116
10.5V	3457	2810	1606	1427	1069	856	707	538	348	267	214	115
10.8V	3414	2775	1586	1410	1056	846	699	526	338	263	210	113