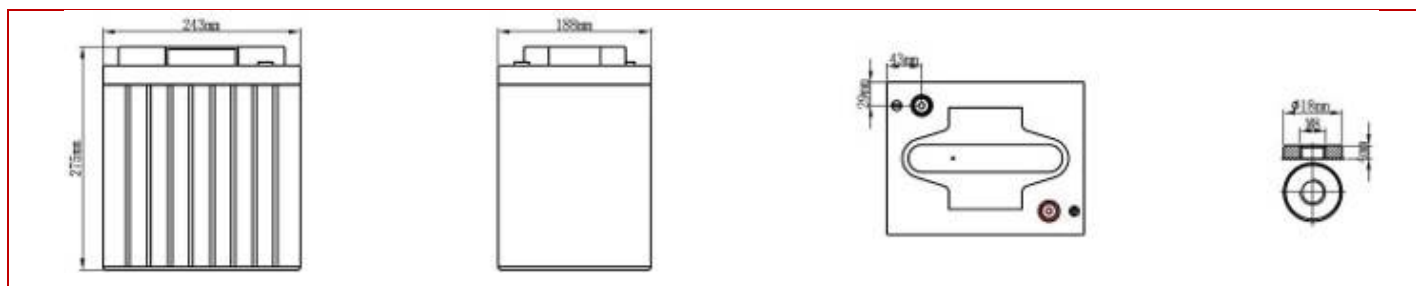



DATASHEET
DCC 240-6
6 V 240 AH
LEAD CARBON BATTERY
EUROBAT 2022 CLASSIFICATION: 15 Years – Very Long Life
Designed in accordance with IEC 60896-21/22
SPECIFICATIONS

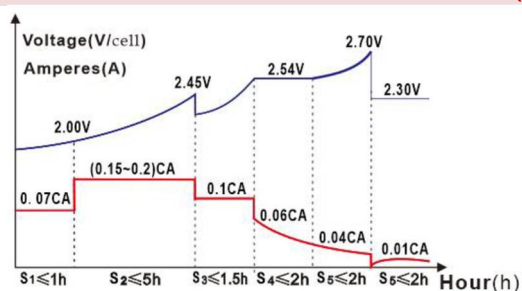
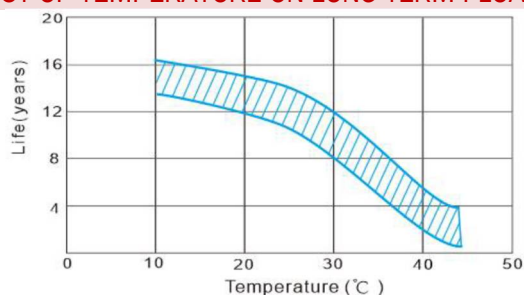
Nominal Voltage	Nominal Capacity	Dimension ± 3mm				Weight	Short-Circuit Current	Internal Resistance	Standard Terminal	Container Material
		L	W	H	TH					
6V	240AH	243mm	188mm	275mm	275mm	30kg	-	≈1.62 mΩ	M8	ABS UL94-V0

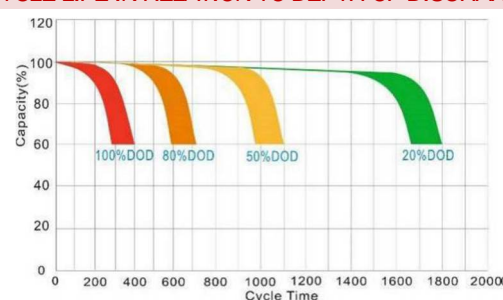
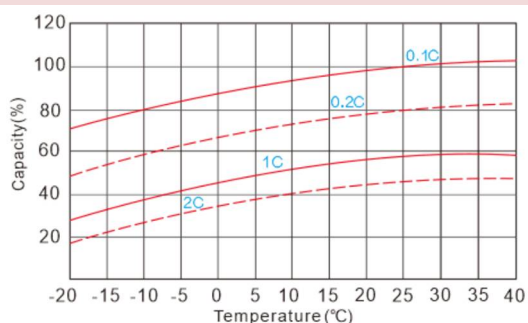
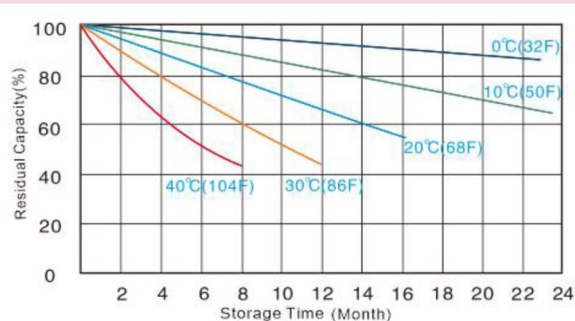

CONSTANT-VOLTAGE CHARGE

Rated Capacity	
20 hour rate (11.0A)	240.0AH
10 hour rate (22.0A)	220.0AH
5 hour rate (37.4A)	187.0AH
3 hour rate (55.0A)	165.0AH
1 hour rate (121.0A)	123.0AH
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 44A.
2. Charge until battery voltage (under charge) reaches 7.30V to 7.40V at 25°C(77°F).
3. Hold at 14.6V to 14.8V until current drop to under 1.32A for at least 3 hours.
4. Temperature compensation coefficient of charging voltage is -15mV/°C.
Standby Service
1. Hold battery across constant voltage source of 6.80 to 6.90 volts with current limit 44A 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 -9mV/°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

4.80V	450	366	206	159	123	98	83	57	39.5	26.2	22.6	11.8
4.95V	435	352	197	152	121	95	80	56	38.6	25.8	22.4	11.7
5.10V	415	338	188	146	119	93	79	55	38.1	25.4	22.3	11.6
5.25V	391	317	178	139	116	90	76	53	37.4	24.9	22.1	11.5
5.40V	369	300	167	130	112	87	73	51	36.0	24.4	22.0	11.4

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

4.80V	2419	1967	1187	881	679	555	433	304	222	158	128	69
4.95V	2326	1891	1143	845	656	545	426	301	219	155	127	68
5.10V	2258	1836	1100	810	650	533	420	295	214	152	126	67
5.25V	2134	1735	1039	768	639	519	407	289	211	149	124	66
5.40V	2015	1637	984	727	621	508	403	283	203	148	123	65