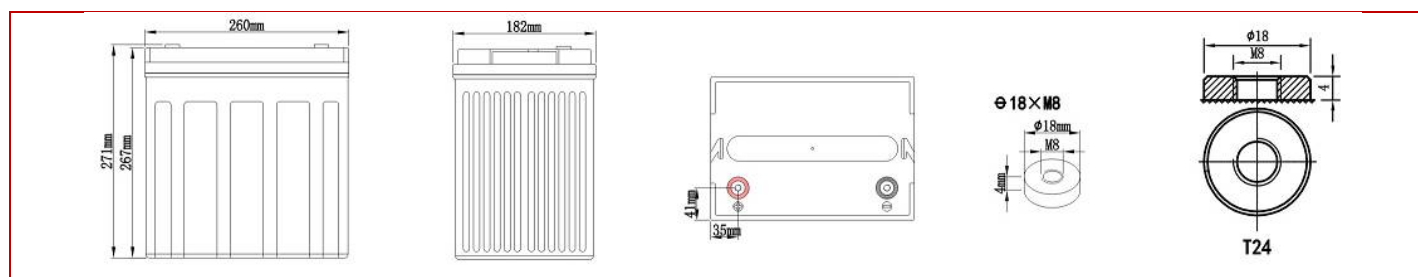


DATASHEET
DCC 170-8
8 V 170 A H

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					
8V	170AH	260mm	182mm	267mm	271mm	32kg	-	≈2.59 mΩ	M8	ABS UL94-V0


CONSTANT-VOLTAGE CHARGE

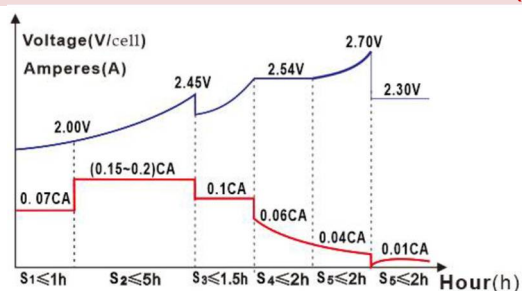
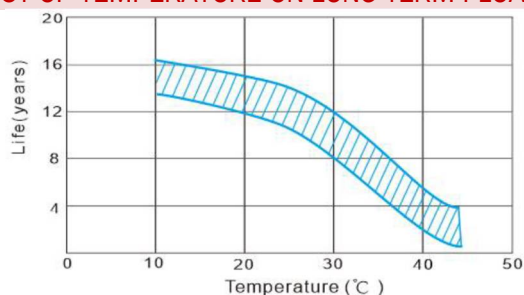
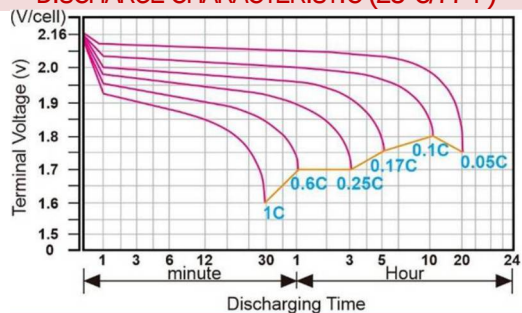
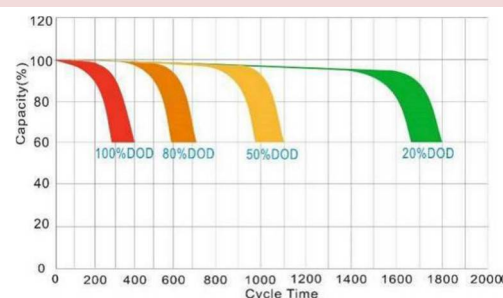
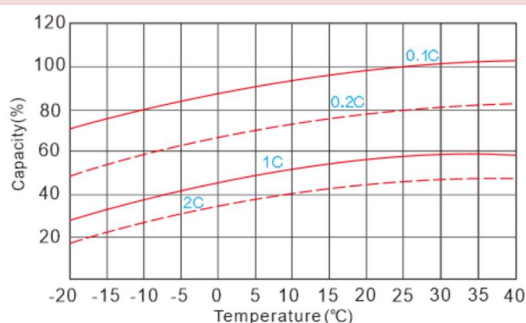
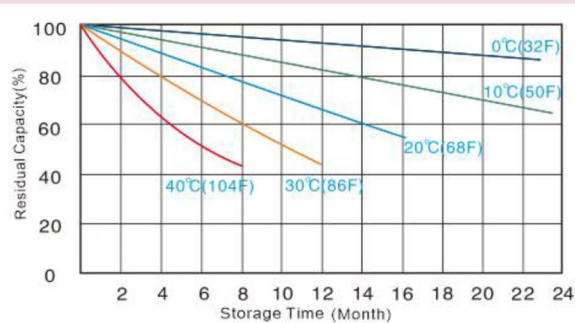
Rated Capacity	
20 hour rate (8.0A)	170.0AH
10 hour rate (16.0A)	160.0AH
5 hour rate (27.2A)	136.5AH
3 hour rate (40A)	120.0AH
1 hour rate (96A)	99.0AH
Capacity affected by temperature	
40°C (104°F)	103%
25°C (77°C)	100%
0°C (32°F)	86%

Cycle Application
1. Limit initial current less than 32A.
2. Charge until battery voltage (under charge) reaches 9.75V to 9.85V at 25°C(77°F).
3. Hold at 9.75V to 9.85V until current drop to under 0.96A for at least 3 hours.
4. Temperature compensation coefficient of charging voltage is -20mV/°C.
Standby Service
1. Hold battery across constant voltage source of 9.10 to 9.20 volts with current limit 32A 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 -12mV/°C.

Wide Operating Temp. Range

-20°C ~ 50°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

6.4V	397	299	158	142	99	78	65	43.3	30.0	21.0	17.0	8.61
6.6V	378	284	150	138	96	76	63	42.2	29.3	20.6	16.9	8.53
6.8V	360	271	143	133	94	74	62	41.2	28.6	20.2	16.7	8.44
7.0V	330	254	138	127	90	71	59	40.0	27.3	19.1	16.4	8.37
7.2V	300	237	133	123	86	68	57	38.6	26.1	18.1	16.0	8.26

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

6.4V	2287	1646	1035	754	644	469	352	276	178	132	110	57.3
6.6V	2178	1568	985	729	628	458	344	270	174	129	108	56.7
6.8V	2074	1493	939	704	613	447	336	263	170	127	107	56.1
7.0V	1761	1340	917	689	603	440	325	255	164	125	104	54.6
7.2V	1643	1280	896	665	575	420	315	248	159	123	99	53.1