



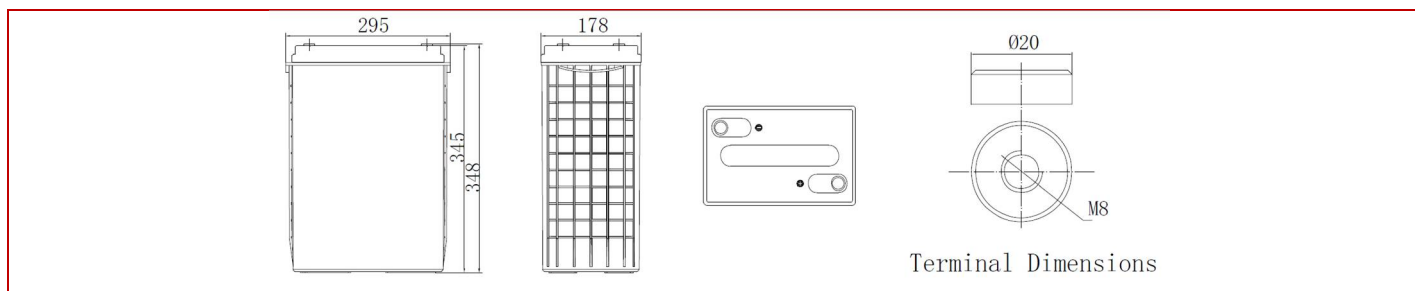
DATASHEET DCEV 330-6

6V 330AH

GEL SEALED VRLA BATTERY
LONG LIFE 12 YEARS OF EXPECTED LIFETIME
 (EUROBAT)

SPECIFICATIONS

Nominal Voltage	Nominal Capacity	Dimension ±3mm				Weight	Max Discharge Current (5s)	Internal Resistance	Standard Terminal	Container Material
		L	W	H	TH					
6V	330AH	295mm	178mm	345mm	348mm	47kg	3.300A	≈1.8 mΩ	M8	ABS UL94-V0



CONSTANT-VOLTAGE CHARGE

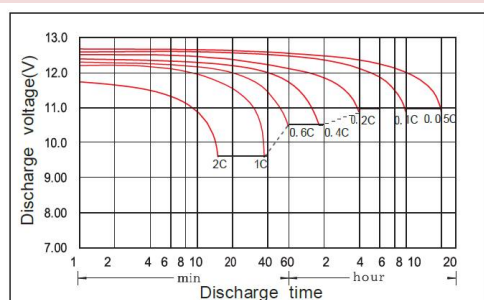
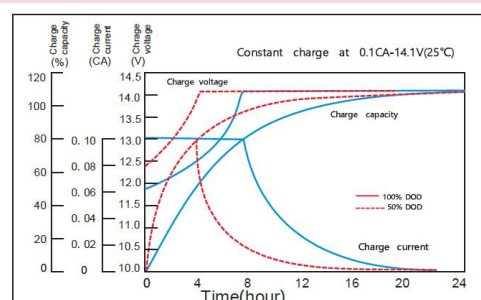
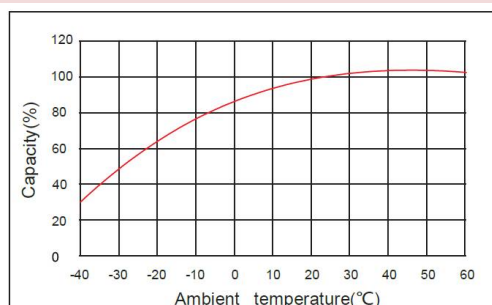
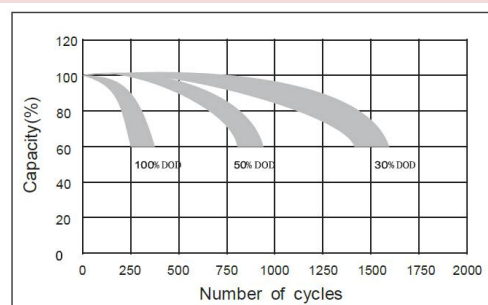
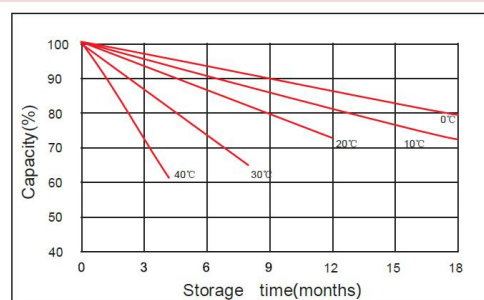
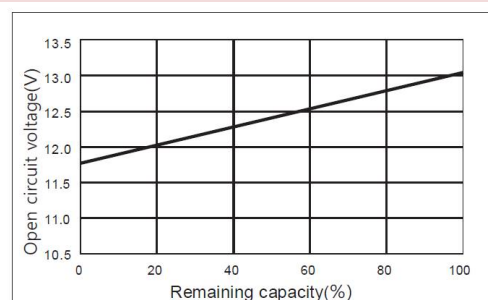
Rated Capacity	
20 hour rate (16.5A)	330.0AH
10 hour rate (32.2A)	322.0AH
3 hour rate (86.9A)	260.7AH
Capacity affected by temperature	
40°C (104°F)	103%
25°C (77°F)	100%
0°C (32°F)	86%

Charge Method (25°C)
Charge current: Max. 66A; Recom. 33A
Float Charge Voltage (-1.5mV/°C): 6.75-6.9V, recom. 7.05V (-2mV/°C)
Equalize charge: 6.9-7.05V, recom. 7.05V (-2mV/°C)
Cycle charge: 7.2-7.5V, recom. 7.2V (-3mV/°C)
Operating Temperature
Discharge: -20 ÷ 50°C
Charge: -20 ÷ 50°C
Storage: -20 ÷ 50°C

Nominal Operating Temp. Range
25 ± 3°C (77 ± 5°F)

Self Discharge
3% of capacity declined per month at 25°C

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

DISCHARGE CHARACTERISTIC

CHARGING CHARACTERISTIC

THE EFFECT OF TEMPERATURE ON CAPACITY

THE EFFECT OF DISCHARGE DEPTH ON CYCLE LIFE

CURVES OF SELF-DISCHARGE

CURVES OF OPEN CIRCUIT VOLTAGE VS. CAPACITY

Constant Current Discharge (Amperes) at 25°C (77°F)

F.V/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V / cell	306	306	306	306	256	203	137	126	90.1	65.3	60.5	48.3	39.8	33.5	17.2
1.65V / cell	301	301	301	301	253	202	135	124	89.3	64.6	60.0	47.9	39.4	33.2	17.0
1.70V / cell	289	289	289	289	250	200	134	122	87.7	64.0	59.4	47.4	39.1	32.8	16.7
1.75V / cell	266	266	266	266	248	198	133	121	86.9	63.5	58.8	47.0	38.8	32.6	16.5
1.80V / cell	238	238	238	238	238	192	131	118	86.1	62.9	57.1	46.4	38.5	32.2	16.3
1.85V / cell	212	212	212	212	219	179	127	113	81.3	61.0	54.2	45.1	36.9	31.3	15.9

Constant Power Discharge (Watts) at 25°C (77°F)

F.V/Time	5min	10min	15min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V / cell	520	520	520	520	474	352	265	224	157	126	107	92.2	70.4	62.9	35.0
1.65V / cell	512	512	512	512	468	346	261	220	155	124	105	90.6	69.1	61.8	34.3
1.70V / cell	491	491	491	491	462	339	256	216	152	121	103	88.8	67.9	60.6	33.6
1.75V / cell	452	452	452	452	459	332	251	211	149	119	101	87.2	66.6	59.5	33.0
1.80V / cell	404	404	404	404	441	320	241	204	143	114	97.4	83.9	64.0	57.2	31.7
1.85V / cell	363	363	363	363	407	303	230	195	134	109	91.9	79.9	60.8	54.5	30.3