



**DATASHEET**  
**DCEV 225-6**

**6V 225AH**

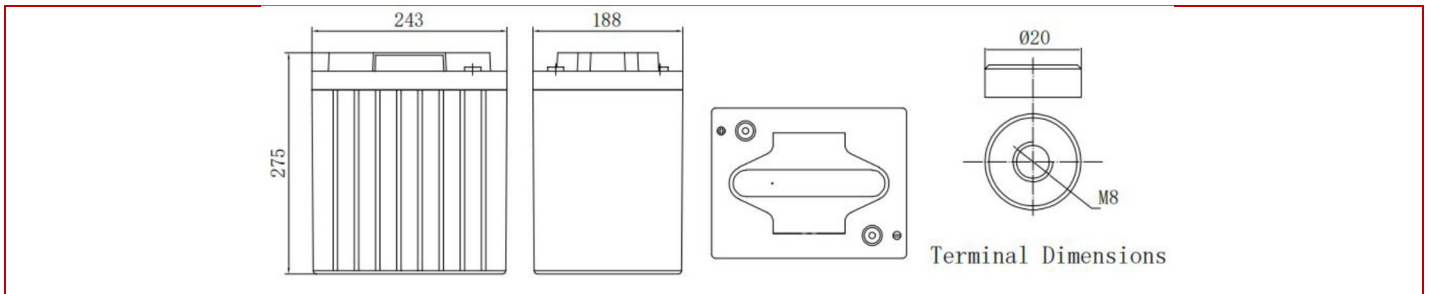
**GEL SEALED VRLA BATTERY**

**EUROBAT 2022 CLASSIFICATION: 12 Years – 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	225AH	243mm	188mm	275mm	275mm	31,7kg	2.608A	≈2.3 mΩ	M8	ABS UL94-V0



**CONSTANT-VOLTAGE CHARGE**

Rated Capacity	
20 hour rate (11.2A)	225.0AH
10 hour rate (59.8A)	179.4AH
1 hour rate (139A)	139.0AH
<b>Capacity affected by temperature</b>	
40°C (104°F)	103%
25°C (77°C)	100%
0°C (32°F)	86%

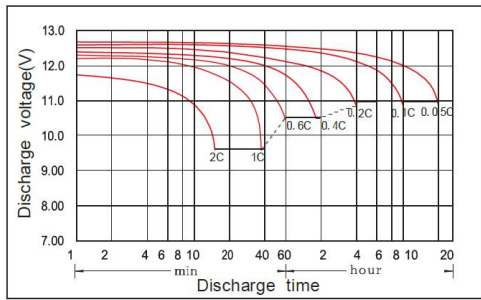
Charge Method (25°C)
Charge current: Max. 56.3A; Recom. 22.5A
Float Charge Voltage: 6.75-6.9V, recom. 6.90V (-9mV/°C)
Equalize charge: 6.9-7.05V, recom. 7.05V (-12mV/°C)
Cycle charge: 7.2-7.5V, recom. 7.2V (-15mV/°C)
Operating Temperature
Discharge: -20÷50°C
Charge: -20÷50°C
Storage: -20÷50°C

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

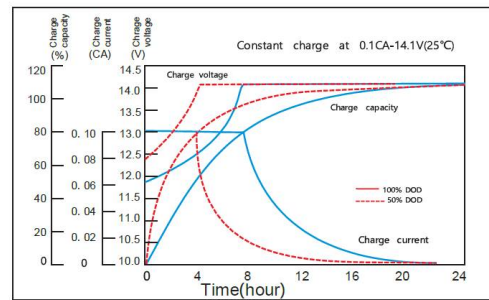
Self Discharge
3% of capacity declined per month at 25°C

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

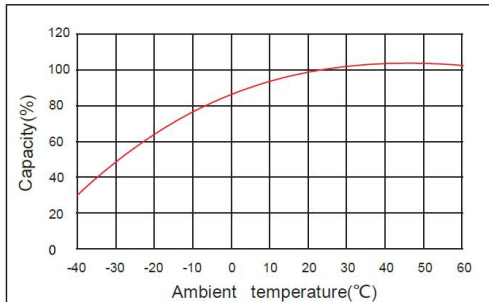
**DISCHARGE CHARACTERISTIC**



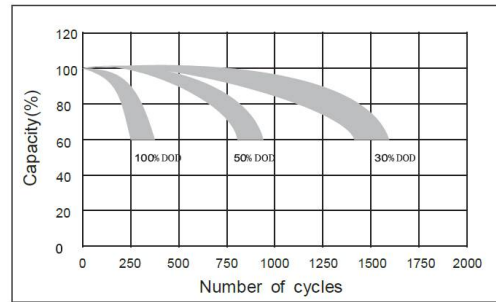
**CHARGING CHARACTERISTIC**



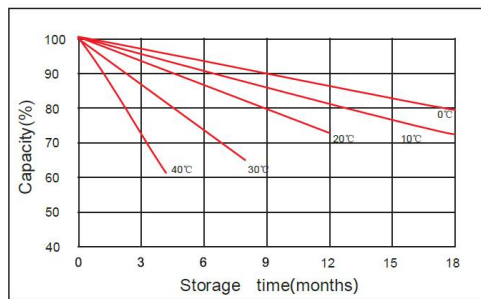
**THE EFFECT OF TEMPERATURE ON CAPACITY**



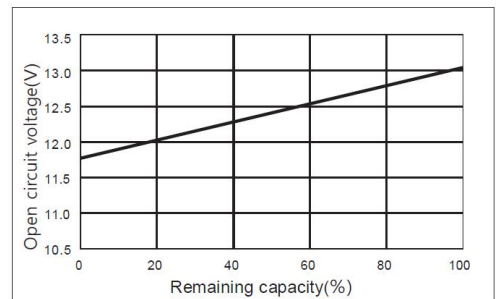
**THE EFFECT OF DISCHARGE DEPTH ON CYCLE LIFE**



**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	225	175	139	93.3	85.6	61.5	44.5	41.3	32.9	27.1	22.8	11.74
1,65V / cell	301	301	301	221	172	138	92.2	84.5	60.9	44.1	40.9	32.7	26.9	22.7	11.58
1,70V / cell	289	289	289	217	170	137	91.1	83.4	59.8	43.6	40.5	32.3	26.7	22.4	11.41
1,75V / cell	266	266	266	216	169	135	90.5	82.3	59.3	43.3	40.1	32.0	26.5	22.2	11.25
1,80V / cell	238	238	238	206	162	131	89.5	80.7	58.7	42.9	38.9	31.6	26.2	22.0	11.09
1,85V / cell	212	212	212	188	149	122	86.7	76.8	55.4	41.6	37.0	30.7	25.2	21.3	10.81

**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	405	323	265	181	166	119	86.3	80.1	64.2	52.8	44.5	23.0
1,65V / cell	512	512	512	398	319	263	179	164	118	85.5	79.4	63.7	52.4	44.2	22.7
1,70V / cell	491	491	491	391	315	261	177	162	116	84.6	78.5	62.7	52.1	43.7	22.4
1,75V / cell	452	452	452	388	313	258	176	160	115	83.9	77.6	62.2	51.7	43.3	22.0
1,80V / cell	404	404	404	371	301	251	174	157	114	83.1	75.5	61.3	51.1	42.8	21.7
1,85V / cell	363	363	363	341	278	234	169	150	108	81.1	72.1	59.9	49.3	41.8	21.3



**ENERPOWER S.R.L.**

UFFICI e DEPOSITO: Via Boccioni, 7 - 20900 MONZA (MB)

Tel. +39 (039)-832152 Fax +39 (039)-2230441 E-mail : info@enerpowersrl.com - <https://www.enerpowersrl.com>