

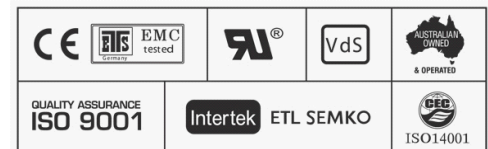
Specifications

Part Number	CB12V7.5AH	
Nominal Voltage	12 Volt	
Nominal Capacity (20 HR)	7.5 AH	
Dimension	Length	151 +/-2mm (5.93 inches)
	Width	65 +/-2mm (2.55 inches)
	Container Height	94.5 +/-2mm (3.71 inches)
	Total Height	100 +/-2mm (3.93 inches)
Approx Weight	2.36 kg (5.2lbs)	
Terminal	T1	
Container Material	ABS Fire Retardant	
Rated Capacity	7.50 AH / 0.375A	(20hr, 1.80V/cell, 25°C/77°F)
	6.98 AH / 0.698A	(10hr, 1.80V/cell, 25°C/77°F)
	6.40 AH / 1.28A	(5hr, 1.75V/cell, 25°C/77°F)
	5.73 AH / 1.91A	(3hr, 1.75V/cell, 25°C/77°F)
	4.71 AH / 4.71A	(1hr, 1.60V/cell, 25°C/77°F)
Plate Type	Die-Cast	
Separator Type	Absorbed Glass Matt	
Max. Discharge Current	105A (5s)	
Short Circuit Current	209	
Internal Resistance	Approx 23mΩ	
Warranty - Cyclic Use	Not Covered	
Warranty - Standby & Backup Power	12 Months	
Warranty - Solar	12 Months	
Operating Temp. Range	Discharge	-15 ~ 50°C (5 ~ 122°F)
	Charge	0 ~ 40°C (32 ~ 104°F)
	Storage	-15 ~ 40°C (5 ~ 104°F)
Nominal Operating Temp. Range	25°C +/-3° (77°F +/-5°)	
Cycle Use	Initial Charging Current less than 2.1A. Voltage 14.4V ~ 15.0V at 25°C (77°F) Temp. Coefficient -30mV/°C	
Standby Use	No limit on Initial Charging Current Voltage 13.5V ~ 13.8V at 25°C (77°F)Temp. Coefficient -20mV/°C	
Capacity affected by temperature	40°C (104°F)	1.03
	25°C (77°F)	1
	0°C (32°F)	0.86
Self Discharge	Fusion CB Series batteries can be stored for up to 6 months at 25° C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	

**NO IMAGE
AVAILABLE**

Applications

- * Fire, Alarm & Security Systems
- * Medical Equipment
- * Toys
- * Emergency Lighting Systems
- * UPS Systems
- * Communication Equipment
- * Solar Power Systems
- * Control Equipment
- * Electronic Testing Equipment
- * Marine Equipment
- * Telecommunication Systems
- * Lighting Systems
- * Deep-Cycle Applications
- * Caravans
- * Boats
- * Motor Homes
- * Wind Powered Systems
- * Load Leveling & Storage Equipment
- * Power Generation Plants
- * Stand-by Power Systems
- * Other Speciality Applications



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

F.V Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	18	12.8	10.48	8.79	6.53	4.79	3.86	2.29	1.69	1.36	1.14	0.98	0.774	0.64	0.345
1.80V/cell	21.4	14.3	11.4	9.44	6.94	5.05	4.03	2.38	1.74	1.4	1.17	1.01	0.791	0.653	0.35
1.75V/cell	24.2	15.6	12.2	10	7.29	5.27	4.18	2.45	1.79	1.43	1.2	1.03	0.805	0.663	0.357
1.70V/cell	26.7	16.7	12.9	10.5	7.59	5.46	4.32	2.51	1.83	1.46	1.22	1.05	0.817	0.672	0.361
1.65V/cell	28.8	17.7	13.5	10.9	7.86	5.62	4.46	2.57	1.86	1.48	1.23	1.06	0.826	0.68	0.365
1.60V/cell	30.6	18.6	14.1	11.3	8.09	5.76	4.55	2.61	1.89	1.5	1.25	1.07	0.834	0.685	0.367

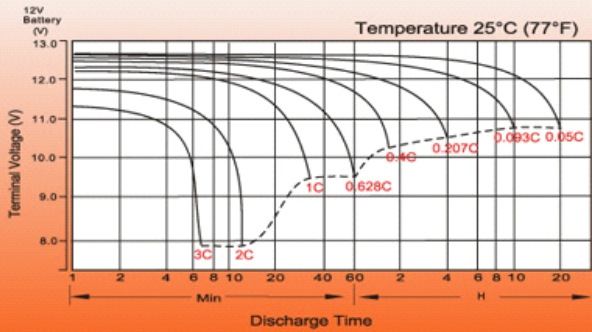
Constant Power Discharge (Amperes) at 25°C (77°F)

F.V Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
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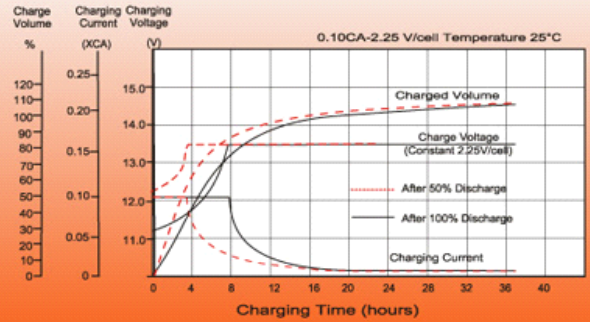
1.85V/cell	34.2	24.5	20.2	17.1	12.8	9.44	7.64	4.56	3.37	2.72	2.29	1.99	1.565	1.296	0.701
1.80V/cell	40.2	27.2	21.9	18.3	13.5	9.91	7.96	4.72	3.47	2.79	2.34	2.03	1.593	1.318	0.708
1.75V/cell	45.1	29.5	23.3	19.3	14.2	10.3	8.23	4.85	3.55	2.85	2.39	2.06	1.616	1.334	0.719
1.70V/cell	49.2	31.3	24.5	20.1	14.7	10.6	8.48	4.96	3.62	2.89	2.42	2.09	1.633	1.347	0.725
1.65V/cell	52.6	32.9	25.5	20.8	15.2	10.9	8.73	5.05	3.68	2.93	2.45	2.11	1.649	1.359	0.731
1.60V/cell	55.5	34.3	26.3	21.5	15.5	11.2	8.88	5.12	3.72	2.96	2.47	2.13	1.66	1.367	0.734

Dimensions

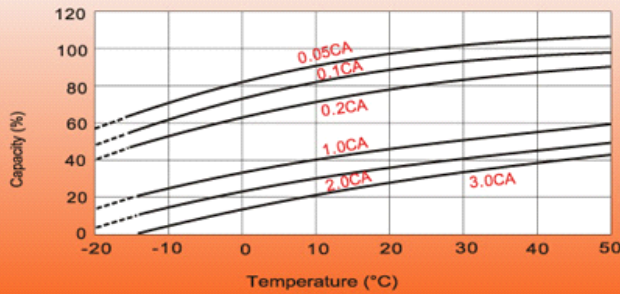
Discharge Characteristics



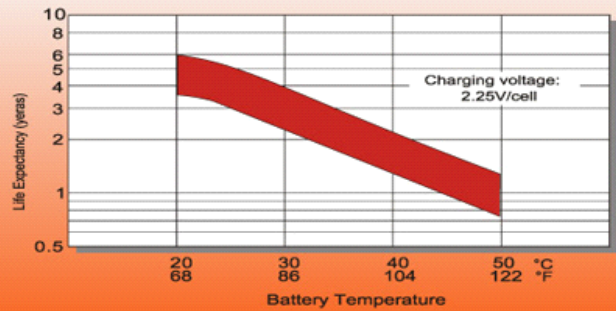
Float Charging Characteristics



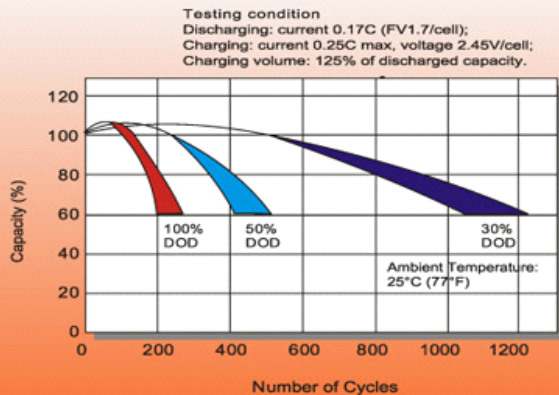
Temperature Effects in Relation to Battery Capacity



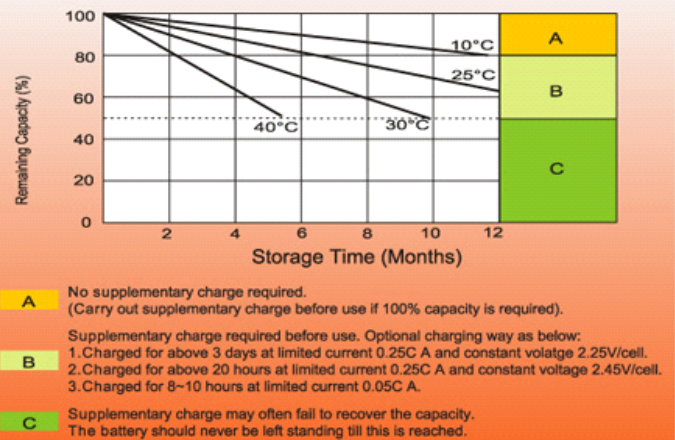
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics



Head Office

Unit 30
76 Hume Highway
LANSVALE NSW 2166
Tel: (02) 9755 7851 Fax: (02) 9755 7852
www.fusionagmbatteries.com.au

