

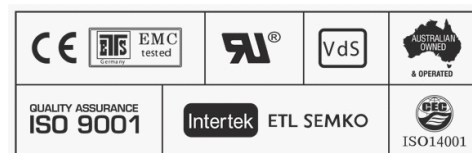
Specifications

Part Number	CBS2V1700AH		
Nominal Voltage	2 Volt		
Nominal Capacity (20 HR)	1700 AH		
Dimension	Length	403 +/-2mm (15.84 inches)	
	Width	354 +/-2mm (13.91 inches)	
	Container Height	339 +/-2mm (13.32 inches)	
	Total Height	349 +/-2mm (13.72 inches)	
Approx Weight	96.5 kg (212.69lbs)		
Terminal	T11		
Terminal Torque	11 - 14.7 Nm		
Container Material	ABS Fire Retardant		
Rated Capacity	1730.0 AH / 17.3A	(100hr ,1.80V/cell, 25°C/77°F)	
	1606.0 AH / 80.3A	(20hr ,1.80V/cell, 25°C/77°F)	
	1500.0 AH / 150.0A	(10hr,1.80V/cell, 25°C/77°F)	
	1318.0AH / 263.6A	(5hr,1.75V/cell, 25°C/77°F)	
	-	(3hr,1.75V/cell, 25°C/77°F)	
	881.9 AH / 881.9A	(1hr,1.60V/cell, 25°C/77°F)	
Plate Type	Die-Cast		
Separator Type	Absorbed Glass Matt		
Max. Discharge Current	12000A (5s)		
Short Circuit Current	24000		
Internal Resistance	Approx 0.35mΩ		
Design Life	8 - 12 Years		
Warranty - Solar	3 Years		
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 450.0A. Voltage 2.4V ~ 2.5V 25°C (77°F) Temp. Coefficient -5mV/°C		
Standby Use	No limit on Initial Charging Current Voltage 2.25V ~ 2.3V at 25°C (77°F)Temp. Coefficient -3mV/°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 CBS 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

- Green Energy Systems (Solar, Wind, Hydro)
- Solar Power
- Communication Systems
- House Power
- Farm & Agricultural Power
- 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	48h	100h
1.85V/cell	-	-	-	-	1100.9	873.6	725.1	452.3	350	288.2	245.4	-	174.8	145.2	77.5	34.4	16.9
1.80V/cell	-	-	-	-	1181.2	919.1	770.3	477.8	366.5	301.1	255.7	-	180.2	150	80.3	34.9	17.3
1.75V/cell	-	-	-	-	1250.9	966.4	803.8	495.8	379	311.3	263.6	-	183.7	152.3	80.6	35.5	17.4
1.70V/cell	-	-	-	-	1312.5	1002.8	832	510.8	389	318.2	268.2	-	186.5	153.9	81.6	35.9	17.6
1.65V/cell	-	-	-	-	1376.8	1046.5	861.7	522.8	398.5	325	273.9	-	189.2	156.2	82.8	36.3	17.8
1.60V/cell	-	-	-	-	1423.7	1074.2	881.9	534	405.5	329.5	277.9	-	191.6	158.3	83.6	36.7	18

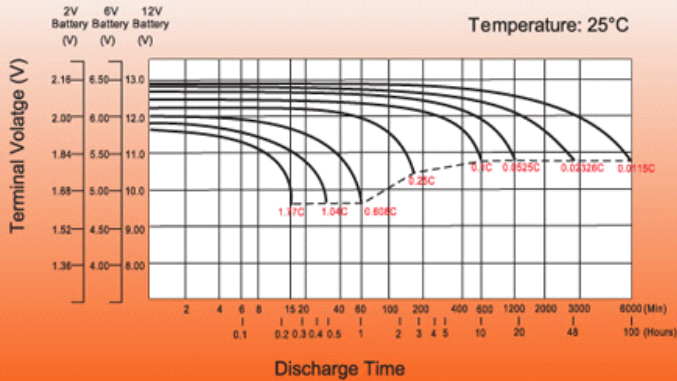
Constant Power Discharge (Amperes) at 25°C (77°F)

F.V Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h	48h	100h
1.85V/cell	-	-	-	-	2103.9	1679.7	1402.6	879.7	684	565.3	483.5	-	346.8	288.8	154.3	68.5	33.8
1.80V/cell	-	-	-	-	2239.2	1755.5	1481.7	924.8	712.9	588.6	501.6	-	356.6	297.9	159.5	69.4	34.4
1.75V/cell	-	-	-	-	2353.2	1835	1539.3	955.9	735.3	606.5	515.3	-	362.5	302	160.1	70.4	34.7
1.70V/cell	-	-	-	-	2448.4	1890.9	1584.8	980.6	751.8	617.2	522.6	-	367.8	305.1	161.9	71.2	35.1

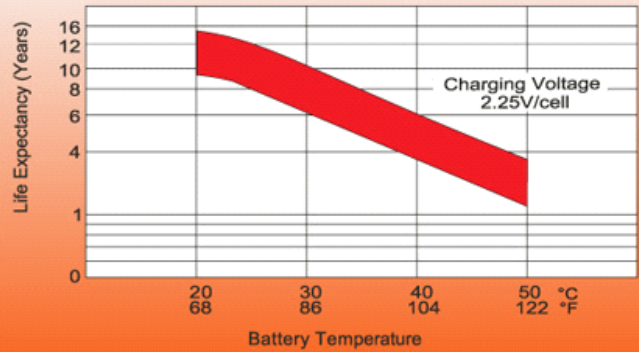
1.65V/cell	-	-	-	-	2549.2	1962.2	1632.2	999.4	766.8	628.3	531.9	-	372.1	309	164	72	35.5
1.60V/cell	-	-	-	-	2609.6	1995.4	1658.9	1014.6	776.2	634.3	537.4	-	376.2	312.7	165.5	72.7	35.8

Dimensions

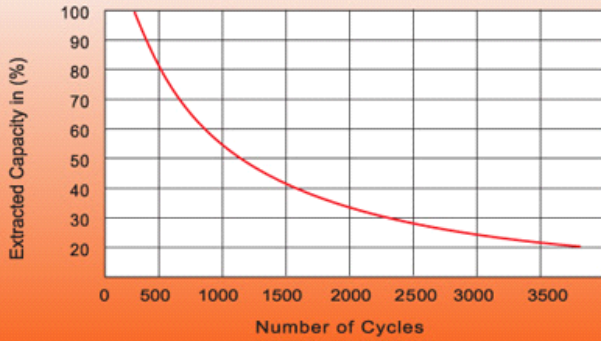
Discharge Characteristics



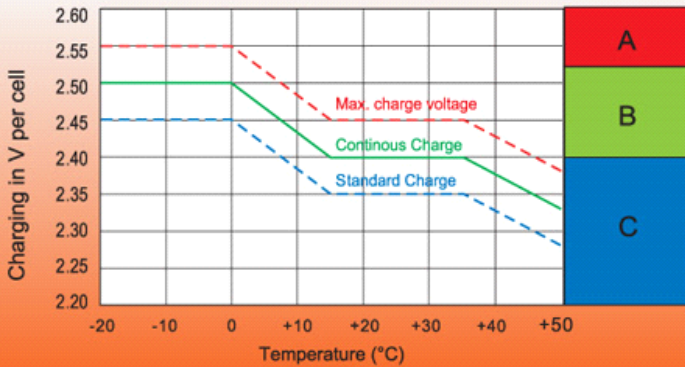
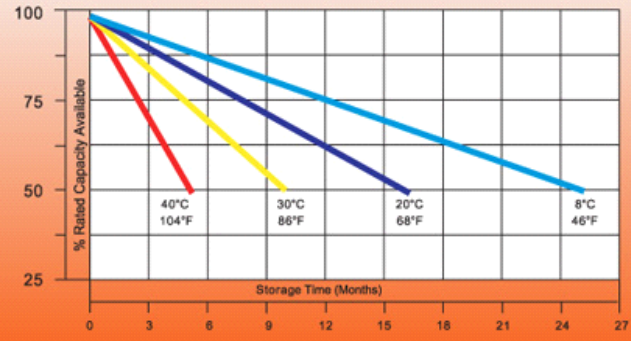
Effect of Temperature on Long Term Float Life



Cycle Service Life



Self-Discharge at Different Temperatures



Charge Mode

- A** With switch regulator (two-step controller) charge on curve max. charge voltage for max. 2 hrs/day then switch over to continuous charge.
- B** Standard charge without switching.
- C** Boost charge (Equalizing charge with external generator) charge on curve continuous charge for max. 5 hrs/month, then switch over to curve Standard charge.

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