

Specifications

Nominal Voltage (V)	12.8 Volts	
Cold Cranking Amps (CCA)	1700 CCA	
Reserve Capacity (Min)	745 Minutes	
Nominal Capacity (20Hr)	270 Ah	
Dimensions	Length	522 ± 2mm
	Width	268 ± 2mm
	Container Height	220 ± 2mm
	Total Height (with Terminal)	226 ± 2mm
Approx Weight	Approx 74.8 Kg	
Terminal Type/Torque	T11 @ 14.6 N.m (with Satin Forged Brass SAE terminals)	
Container Material	ABS	
Rated Capacity	280.0 AH/13.4A	(20hr, 1.80V/cell, 25°C)
	252.0 AH/25.0A	(10hr, 1.80V/cell, 25°C)
	221.5 AH/43.9A	(5hr, 1.75V/cell, 25°C)
	199.9 AH/66.3A	(3hr, 1.75V/cell, 25°C)
	162.5 AH/161.5A	(1hr, 1.60V/cell, 25°C)
Max. Discharge Current (5s)	2600A	
Internal Resistance	Approx 2.5m Ohm	
Operating Temp. Range	Discharge	: -15 ~ 50°C
	Charge	: 0 ~ 40°C
	Storage	: -15 ~ 40°C
Nominal Operating Temp. Range	-15°C to 65°C	
Cycle Use	Initial Charging Current less than 75.0A	
	Voltage 14.4V~15.0V at 25°C	
	Temp. Coefficient - 30m V/°C	
Standby Use	No limit on Initial Charging Current	
	Voltage 13.5V~13.8V at 25°C	
	Temp. Coefficient - 30mV/°C	
Capacity affected by Temperature	40°C	103%
	25°C	100%
	0°C	86%
Warranty	3 Years	
Design Life	5-10 Years (Cycle Use)	



Applications

- ◆ Marine
- ◆ Caravans & Motorhomes
- ◆ Trucks & Earth Moving Equipment
- ◆ Portable Apparatus
- ◆ Lights & Instruments
- ◆ Illumination Lights
- ◆ Fire Alarms
- ◆ Portable Power
- ◆ Medical Equipment

VdS	Intertek ETL SEMKO	MH26866
ISO14001	ISO9001	CE EMC tested

Self Discharge

SSB DryCell series batteries may be stored for up to 6 months at 25°C and then a freshening charge is required. For higher temperatures the time interval will be shorter.

Constant Current Discharge (Amperes) at 25°C

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	366.0	308.0	269.1	193.7	153.8	124.8	77.5	60.5	49.0	39.8	34.7	28.3	23.6	13.3
1.80V/cell	467.7	372.1	318.1	228.5	178.9	139.8	84.6	65.1	52.3	42.7	37.2	30.1	25.0	13.4
1.75V/cell	/	406.5	342.2	237.2	185.7	146.3	87.8	66.3	53.3	43.9	38.3	30.6	25.3	13.5
1.70V/cell	/	434.0	359.7	246.9	193.1	150.9	91.3	68.1	54.9	45.0	39.1	31.0	25.5	13.8
1.65V/cell	/	461.5	382.1	260.5	197.9	156.0	93.8	71.0	56.8	46.2	39.9	31.5	26.0	14.0
1.60V/cell	/	/	407.0	275.0	206.3	161.5	97.0	73.2	58.6	47.7	40.8	31.8	26.3	14.1

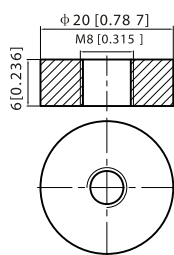
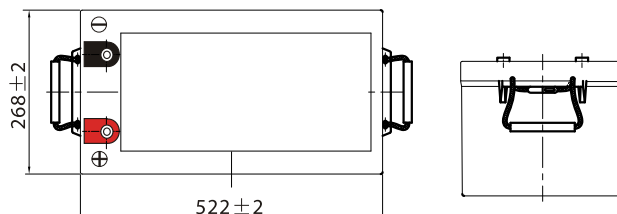
Constant Power Discharge (Watts) at 25°C

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	682.9	580.6	512.9	372.1	297.6	242.3	151.1	118.1	95.9	78.2	68.6	56.1	46.7	26.6
1.80V/cell	861.0	691.1	597.1	433.8	343.2	269.8	163.9	126.5	101.9	83.7	73.3	59.4	49.5	26.8
1.75V/cell	/	747.7	637.0	448.1	354.5	281.2	169.5	128.4	104.0	85.7	75.2	60.3	49.9	27.0
1.70V/cell	/	792.4	665.6	464.6	367.6	289.3	175.8	131.7	106.5	87.6	76.6	61.1	50.4	27.5
1.65V/cell	/	837.1	703.8	487.9	375.4	298.1	180.2	137.0	109.9	90.0	78.2	62.0	51.4	27.8
1.60V/cell	/	/	742.0	510.1	387.7	306.2	185.1	140.5	112.9	92.5	79.7	62.6	51.9	27.9

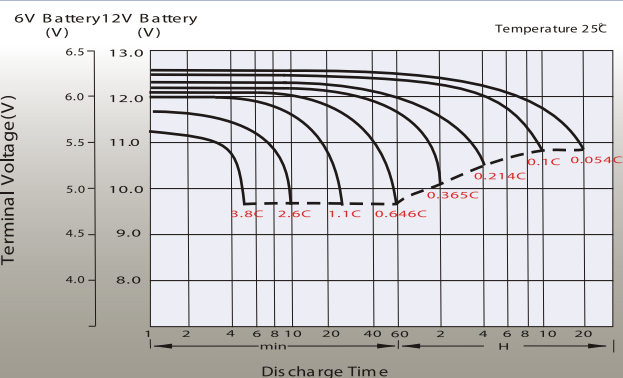
Dimensions

T11 Terminal

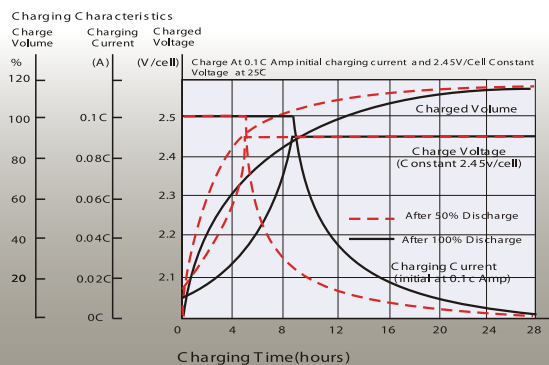
Unit: mm [inches]



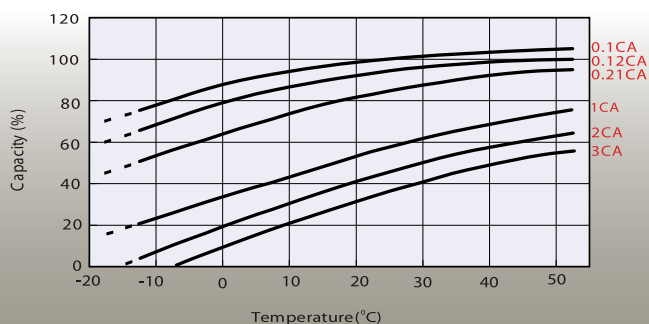
Discharge Characteristics



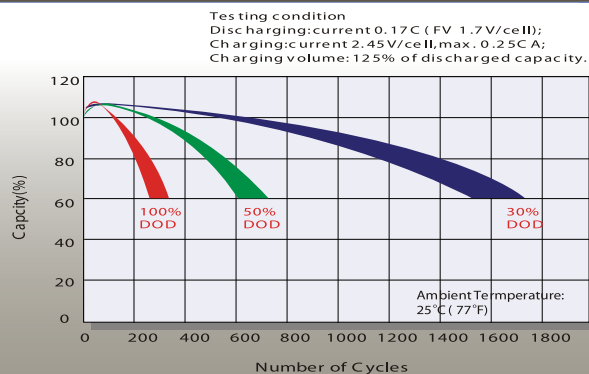
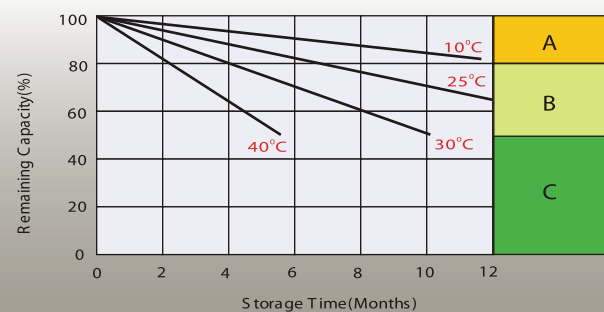
Charging Characteristics (cycle use)



Temperature Effects in Relation to Battery Capacity



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics

- A** No supplementary charge required
(Carry out supplementary charge before use if 100 % capacity is required.)
- B** Supplementary charge required before use. Optional charging way as below:
 - Charged for above 3 days at limited current 0.25C A and constant voltage 2.25V /cell.
 - Charged for above 20 hours at limited current 0.25CA and constant voltage 2.45V / cell.
 - Charged for 8~10 hours at limited current 0.05C A.
- C** Supplementary charge may often fail to recover the capacity.
The battery should never be left standing till this is reached.

Head Office

SUPER START
BATTERIES

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