

## SPECIFICATIONS

Cells Per Unit	3
Voltage Per Unit	6V
Capacity	440Ah@100hour-rate to 1.75V per cell @25°C
Terminal (torque)	M8-1.25 (10 N*m / 88 in*lb)
Weight	Approx. 57.0 Kg (Tolerance ± 5%)
Internal Resistance	≤1.8 mΩ (Full Charge Condition @25°C)
Max. Discharge Current	4000A (5 sec)
Max. Charging Current	120.0A
Cold Cranking Amperage (CCA)	800A

## BATTERY INFORMATION

Float Charging Voltage	6.80 V~6.90 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	7.30 V~7.40 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C
Self Discharge	Solisto batteries can be stored for up to 6 months at 25 °C and then recharging is recommended. Monthly Self-discharge ratio is less than 3% at 25°C. Please charged batteries before using.

## REFERENCE CAPACITY

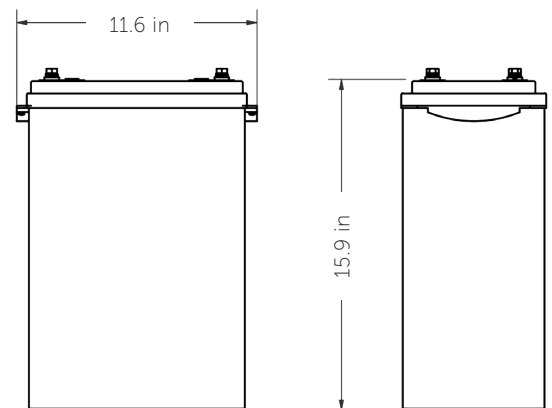
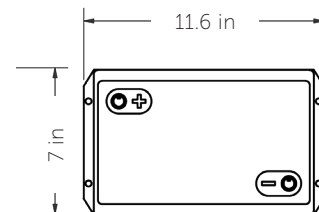
C3	300 Ah
C5	340 Ah
C10	380 Ah
C20	400 Ah
C100	440 Ah

## DIMENSIONS AND WEIGHT

Size (LxWxH) inches	11.6" x 7" x 15.9"
Size (LxWxH) mm	295 x 178 x 419.40
Weight	126 lbs / 57 kg
Group Size	L16
Container Material	A.B.S. UL94-HB
Pallet Qty.	12
Pallet Dimension (LxWxH) inches	37" x 43.5" x 24.5"
Pallet Weight	1,670 lbs

## WARRANTY

12 Month Limited Warranty



BATTERY DIMENSIONS



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## CONSTANT CURRENT DISCHARGE CHARACTERISTICS : A(25°C)

F.V / Time	30min	1hr	2hr	3hr	4hr	5hr	8hr	10hr	20hr
1.60V	424.5	244.4	144.9	112.8	88.7	75.5	49.6	40.1	20.8
1.65V	407.5	236.0	140.3	109.3	86.3	73.5	49.0	39.6	20.5
1.70V	389.5	228.3	135.7	106.3	83.9	71.6	48.3	39.0	20.2
1.75V	372.3	220.0	131.0	103.2	81.8	69.8	47.6	38.5	20.0
1.80V	355.8	211.6	126.3	100.0	79.4	68.0	46.8	38.0	19.8
1.85V	306.5	189.8	115.7	92.4	73.8	63.4	43.9	35.8	18.8

## CONSTANT POWER DISCHARGE CHARACTERISTICS : W/CELL(25°C)

F.V / Time	30min	1hr	2hr	3hr	4hr	5hr	8hr	10hr	20hr
1.60V	770.9	459.3	274.7	215.4	170.2	145.4	96.9	78.8	41.0
1.65V	747.9	446.1	267.2	209.7	166.2	142.2	96.0	78.0	40.4
1.70V	722.0	434.3	259.9	204.9	162.3	139.0	94.7	76.9	40.0
1.75V	697.2	420.9	251.9	199.6	158.8	136.0	93.6	76.0	39.5
1.80V	673.1	407.2	244.2	194.2	154.7	132.9	92.2	75.1	39.2
1.85V	585.5	367.4	224.9	180.3	144.4	124.4	86.8	70.8	37.3

**NOTE:**

The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values.  
The battery must be fully charged before the capacity test. The C20 should reach 95% after the first cycle and 100% after the third cycle.



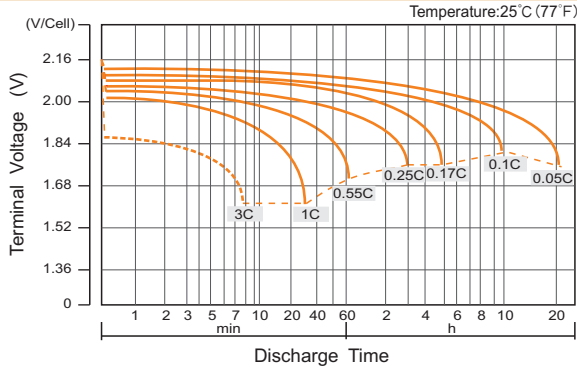
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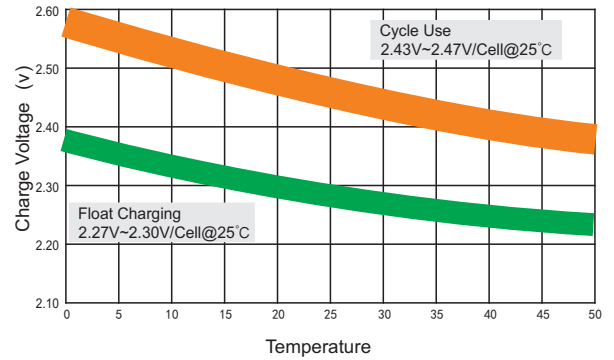
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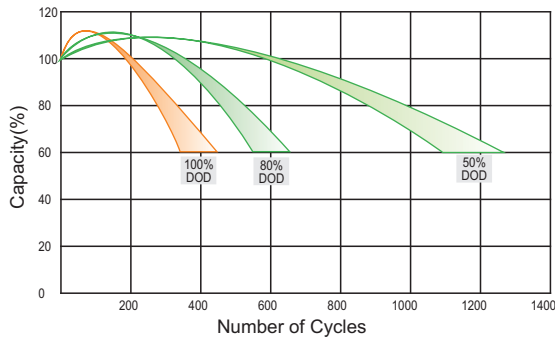
## DISCHARGE CHARACTERISTIC CURVE



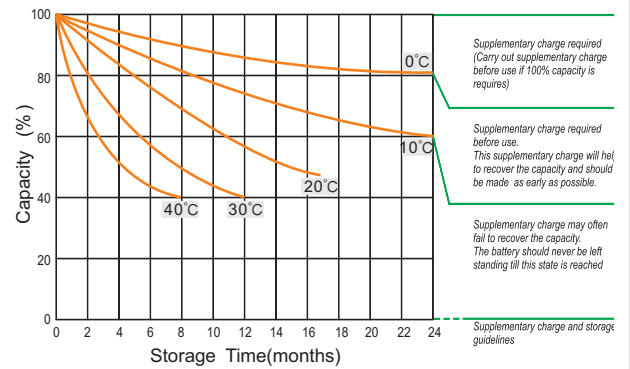
## RELATIONSHIP BETWEEN CHARGING VOLTAGE AND TEMP



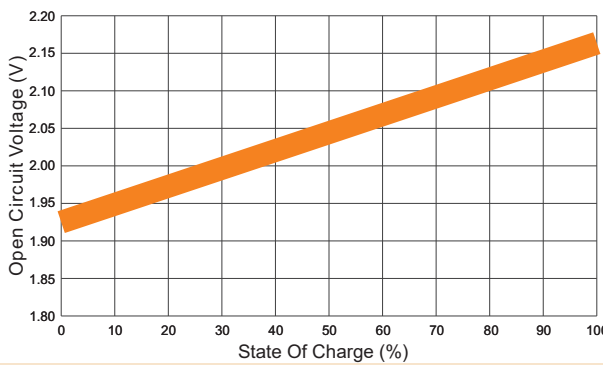
## CYCLE LIFE VS. DEPTH OF DISCHARGE



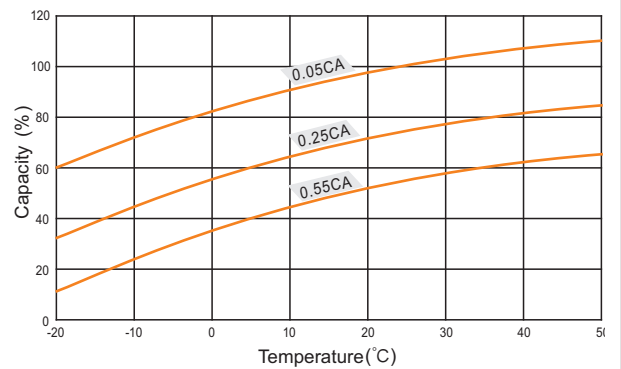
## STORAGE CHARACTERISTICS



## OPEN CIRCUIT VOLTAGE VS. STATE OF CHARGE (20°C)



## TEMPERATURE EFFECTS ON CAPACITY



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