

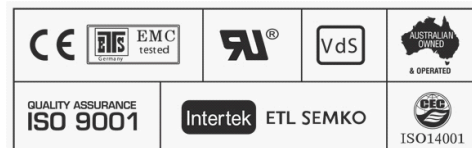
**Specifications**

<b>Part Number</b>	<b>160PzV2000</b>	
<b>Nominal Voltage</b>	2 Volt	
<b>Nominal Capacity (20 HR)</b>	2000 AH	
<b>Dimension</b>	Length	399 +/-2mm (15.68 inches)
	Width	210 +/-2mm (8.25 inches)
	Container Height	772 +/-2mm (30.34 inches)
	Total Height	807 +/-2mm (31.72 inches)
<b>Approx Weight</b>	155 kg (341.62lbs)	
<b>Terminal</b>	T11	
<b>Terminal Torque</b>	11 - 14.7 Nm	
<b>Container Material</b>	ABS	
<b>Rated Capacity</b>	2520 AH / 25.2A	(100hr ,1.80V/cell, 25°C/77°F)
	-	(20hr ,1.80V/cell, 25°C/77°F)
	2000 AH / 200A	(10hr,1.80V/cell, 25°C/77°F)
	1710 A H / 342A	(5hr,1.75V/cell, 25°C/77°F)
	1506 AH / 502A	(3hr,1.75V/cell, 25°C/77°F)
	1131 AH / 1131A	(1hr,1.60V/cell, 25°C/77°F)
<b>Plate Type</b>	Tubular Die-Cast	
<b>Separator Type</b>	Advanced Micro-Pore PVC-SiO13	
<b>Max. Discharge Current</b>	16000A (5s)	
<b>Short Circuit Current</b>	32000	
<b>Internal Resistance</b>	Approx 0.25mΩ	
<b>Design Life</b>	18 - 20 Years	
<b>Warranty - Solar</b>	5 Years	
<b>Operating Temp. Range</b>	Discharge	-20 ~ 55°C (-4 ~ 131°F)
	Charge	0 ~ 40°C (32 ~ 104°F)
	Storage	-20 ~ 50°C (-4 ~ 122°F)
<b>Nominal Operating Temp. Range</b>	-	
<b>Cycle Use</b>	Initial Charging Current less than 500.0A.Voltage 2.40V ~ 2.50V at 20°C (68°F) Temp. Coefficient -5mV/°C	
<b>Standby Use</b>	No limit on Initial Charging Current Voltage 2.25V ~ 2.30V at 20°C (68°F)Temp. Coefficient -3mV/°C	
<b>Capacity affected by temperature</b>	40°C (104°F)	1.03
	25°C (77°F)	1.02
	0°C (32°F)	0.86
<b>Self Discharge</b>	<2% per month @ 20°C (68°F)	

**NO IMAGE  
AVAILABLE**

**Applications**

- \* Solar Power Storage
- \* Wind Power Storage
- \* Telecommunications Standby power
- \* Uninterruptable Power Supplies (UPS)
- \* Emergency Lighting Systems
- \* Radio & Cellular Telephone Relay Stations
- \* Buoy Lighting
- \* Power stations
- \* Electric Power System (EPS)
- \* Emergency Backup Power Supply
- \* Communication Power Supply
- \* Signal Stations
- \* Mobile Deep Cycle Applications
- \* Railway Signalling
- \* Aircraft Signals
- \* Maritime Standby Power
- \* Process & Control Engineering
- \* Standby Power



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

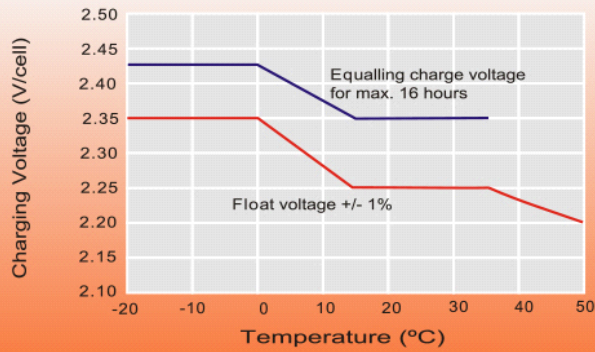
F.V Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	-	1167	1139	-	1041	-	888	581	452	-	311	-	218	187	-
1.80V/cell	-	1436	1379	-	1214	-	1000	638	491	-	336	-	234	200	-
1.75V/cell	-	1698	1543	-	1293	-	1041	656	502	-	342	-	237	203	-
1.70V/cell	-	1906	1684	-	1369	-	1081	673	513	-	348	-	240	205	-
1.65V/cell	-	2047	1778	-	1424	-	1112	687	522	-	353	-	243	208	-
1.60V/cell	-	2142	1841	-	1460	-	1131	696	528	-	356	-	245	209	-

**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
1.85V/cell	-	2171	2140	-	1990	-	1718	1129	882	-	612	-	432	373	-
1.80V/cell	-	2624	2554	-	2296	-	1922	1234	955	-	658	-	462	397	-
1.75V/cell	-	3051	2819	-	2422	-	1987	1262	973	-	668	-	469	403	-
1.70V/cell	-	3363	3032	-	2538	-	2051	1288	989	-	676	-	474	407	-
1.65V/cell	-	3547	3154	-	2613	-	2095	1309	1002	-	684	-	478	410	-
1.60V/cell	-	3640	3218	-	2653	-	2118	1319	1010	-	689	-	481	413	-

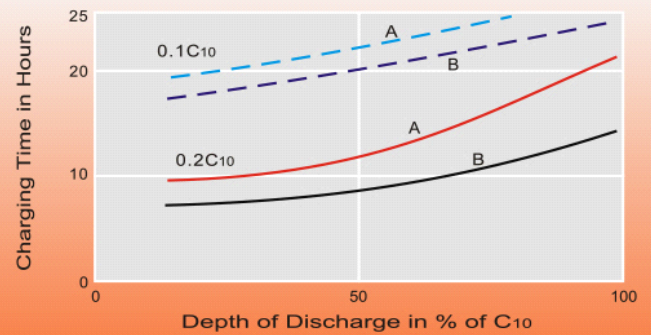
## Dimensions

### Discharge Characteristics



For continuous charging we recommend a voltage of 2.25V. The charging voltage must be compensated to the curve for a continuously different battery ambient temperature.

### Charging Characteristics



Charge voltage:

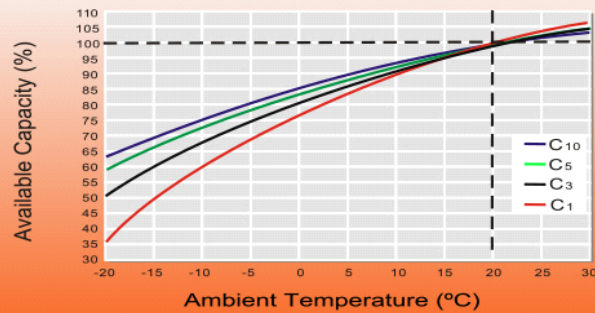
A — 2.25 V/cell

B — 2.40 V/cell

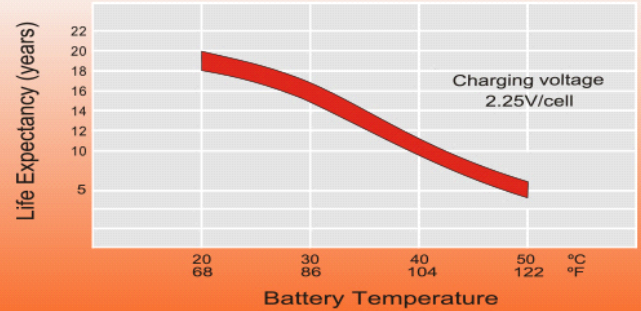
--- State of charge 100%

— State of charge 90%

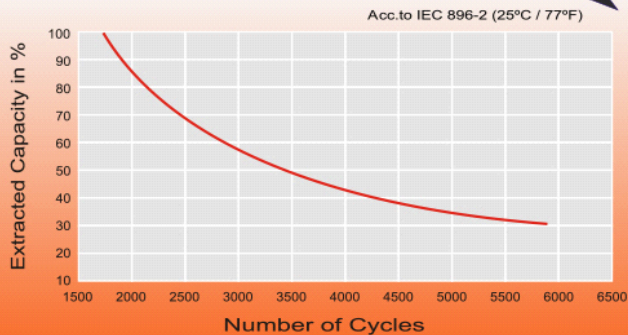
### Temperature Effects in Relation to Battery Capacity



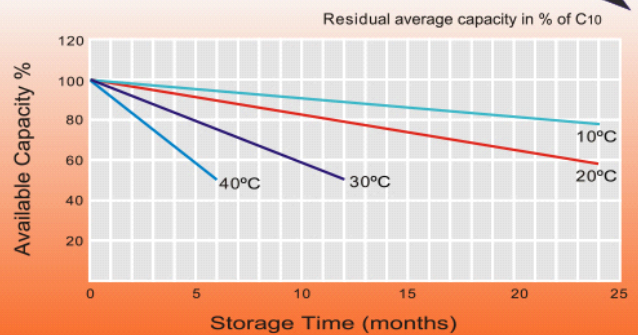
### Effect of Temperature on Long Term Float Life



### Cycle Life in Relation to Depth of Discharge



### General Relation of Capacity VS Storage Time



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