

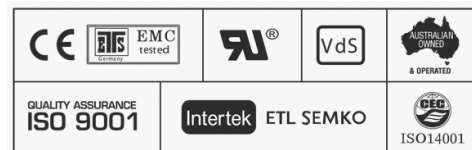
Specifications

Part Number	240PzV3000	
Nominal Voltage	2 Volt	
Nominal Capacity (20 HR)	3000 AH	
Dimension	Length	576 +/-2mm (22.64 inches)
	Width	212 +/-2mm (8.33 inches)
	Container Height	772 +/-2mm (30.34 inches)
	Total Height	807 +/-2mm (31.72 inches)
Approx Weight	232 kg (511.33lbs)	
Terminal	T11	
Terminal Torque	11 - 14.7 Nm	
Container Material	ABS	
Rated Capacity	3780 AH / 37.8A	(100hr ,1.80V/cell, 25°C/77°F)
	-	(20hr ,1.80V/cell, 25°C/77°F)
	3000 AH / 300.0A	(10hr,1.80V/cell, 25°C/77°F)
	2565 A H / 513A	(5hr,1.75V/cell, 25°C/77°F)
	2262 AH / 754A	(3hr,1.75V/cell, 25°C/77°F)
	1697 AH / 1697A	(1hr,1.60V/cell, 25°C/77°F)
Plate Type	Tubular Die-Cast	
Separator Type	Advanced Micro-Pore PVC-SiO15	
Max. Discharge Current	24000A (5s)	
Short Circuit Current	48000	
Internal Resistance	Approx 0.18mΩ	
Design Life	18 - 20 Years	
Warranty - Solar	5 Years	
Operating Temp. Range	Discharge	-20 ~ 55°C (-4 ~ 131°F)
	Charge	0 ~ 40°C (32 ~ 104°F)
	Storage	-20 ~ 50°C (-4 ~ 122°F)
Nominal Operating Temp. Range	-	
Cycle Use	Initial Charging Current less than 750.0A.Voltage 2.40V ~ 2.50V at 20°C (68°F) Temp. Coefficient -5mV/°C	
Standby Use	No limit on Initial Charging Current Voltage 2.25V ~ 2.30V at 20°C (68°F)Temp. Coefficient -3mV/°C	
Capacity affected by temperature	40°C (104°F)	1.03
	25°C (77°F)	1.02
	0°C (32°F)	0.86
Self Discharge	<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)

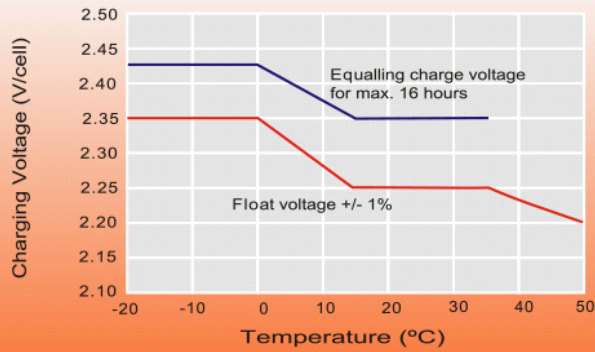
F.V Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	-	1751	1708	-	1562	-	1332	871	677	-	467	-	327	281	-
1.80V/cell	-	2154	2068	-	1820	-	1500	957	737	-	504	-	350	300	-
1.75V/cell	-	2548	2314	-	1940	-	1561	984	754	-	513	-	356	305	-
1.70V/cell	-	2859	2526	-	2054	-	1621	1009	769	-	521	-	361	308	-
1.65V/cell	-	3071	2667	-	2136	-	1668	1031	783	-	529	-	365	311	-
1.60V/cell	-	3212	2762	-	2191	-	1697	1044	793	-	535	-	368	314	-

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	-	3257	3210	-	2985	-	2577	1694	1323	-	918	-	648	559	-
1.80V/cell	-	3936	3831	-	3444	-	2883	1852	1433	-	987	-	693	596	-
1.75V/cell	-	4576	4228	-	3634	-	2981	1893	1460	-	1002	-	703	604	-
1.70V/cell	-	5045	4548	-	3807	-	3076	1932	1483	-	1015	-	710	610	-
1.65V/cell	-	5320	4731	-	3920	-	3143	1963	1504	-	1026	-	717	615	-
1.60V/cell	-	5460	4828	-	3979	-	3177	1979	1515	-	1033	-	721	619	-

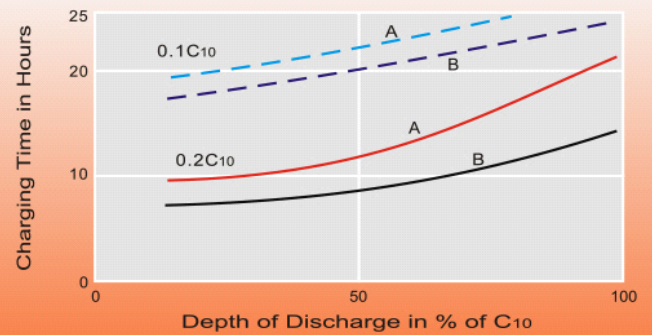
Dimensions

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:

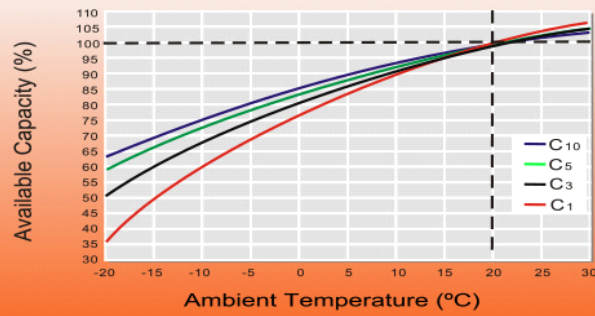
A — 2.25 V/cell

B — 2.40 V/cell

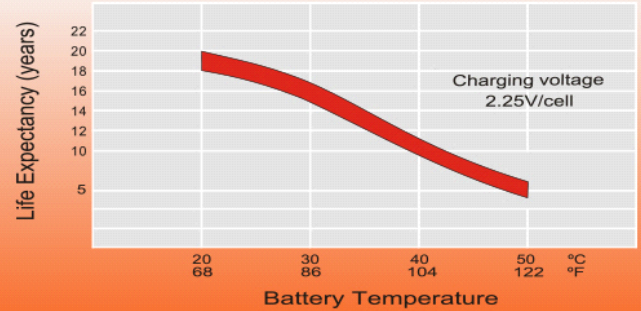
--- State of charge 100%

— State of charge 90%

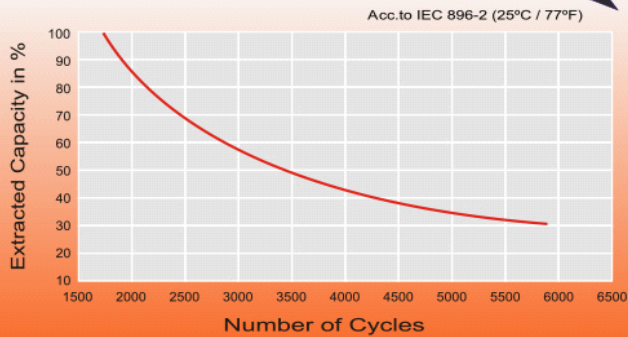
Temperature Effects in Relation to Battery Capacity



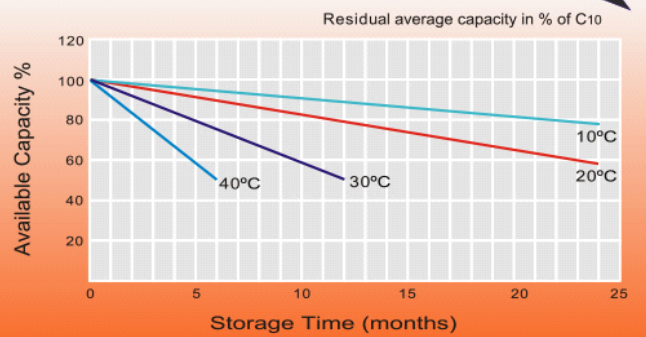
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



General Relation of Capacity VS Storage Time



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