

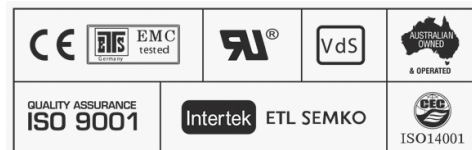
Specifications

Part Number	200PzV2500	
Nominal Voltage	2 Volt	
Nominal Capacity (20 HR)	2500 AH	
Dimension	Length	487 +/-2mm (19.14 inches)
	Width	212 +/-2mm (8.33 inches)
	Container Height	772 +/-2mm (30.34 inches)
	Total Height	807 +/-2mm (31.72 inches)
Approx Weight	196 kg (431.98lbs)	
Terminal	T11	
Terminal Torque	11 - 14.7 Nm	
Container Material	ABS	
Rated Capacity	3150 AH / 31.5A	(100hr ,1.80V/cell, 25°C/77°F)
	-	(20hr ,1.80V/cell, 25°C/77°F)
	2500 AH / 250.0A	(10hr,1.80V/cell, 25°C/77°F)
	2140 A H / 428A	(5hr,1.75V/cell, 25°C/77°F)
	1884 AH / 628A	(3hr,1.75V/cell, 25°C/77°F)
	1414 AH / 1414A	(1hr,1.60V/cell, 25°C/77°F)
Plate Type	Tubular Die-Cast	
Separator Type	Advanced Micro-Pore PVC-SiO14	
Max. Discharge Current	20000A (5s)	
Short Circuit Current	40000	
Internal Resistance	Approx 0.2mΩ	
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 625.0A.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)

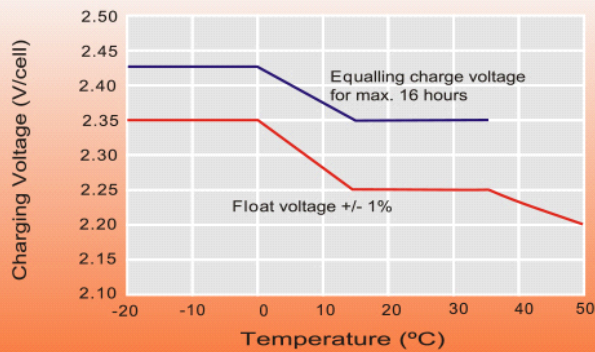
F.V Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	-	1459	1424	-	1302	-	1110	726	565	-	389	-	273	234	-
1.80V/cell	-	1795	1723	-	1517	-	1250	798	614	-	420	-	292	250	-
1.75V/cell	-	2123	1929	-	1617	-	1301	820	628	-	428	-	297	254	-
1.70V/cell	-	2383	2105	-	1711	-	1351	841	641	-	434	-	301	257	-
1.65V/cell	-	2559	2222	-	1780	-	1390	859	653	-	441	-	304	259	-
1.60V/cell	-	2677	2301	-	1826	-	1414	870	661	-	446	-	307	261	-

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	-	2714	2675	-	2487	-	2147	1412	1102	-	765	-	540	466	-
1.80V/cell	-	3280	3193	-	2870	-	2403	1543	1194	-	822	-	577	496	-
1.75V/cell	-	3814	3523	-	3028	-	2484	1577	1216	-	835	-	586	504	-
1.70V/cell	-	4204	3790	-	3172	-	2564	1610	1236	-	846	-	592	509	-
1.65V/cell	-	4434	3942	-	3267	-	2619	1636	1253	-	855	-	598	513	-
1.60V/cell	-	4550	4023	-	3316	-	2647	1649	1262	-	861	-	601	516	-

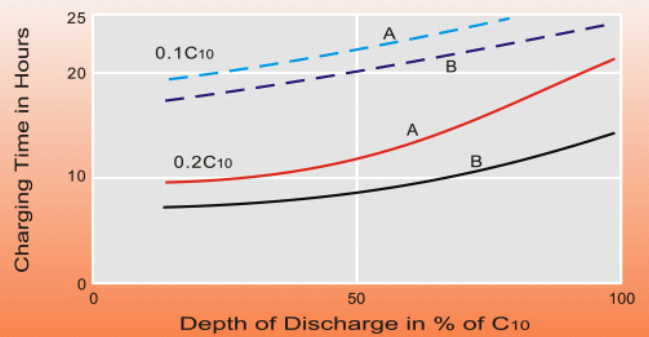
Dimensions

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:

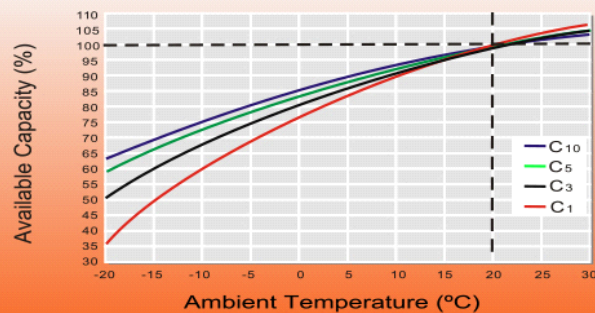
A — 2.25 V/cell

B — 2.40 V/cell

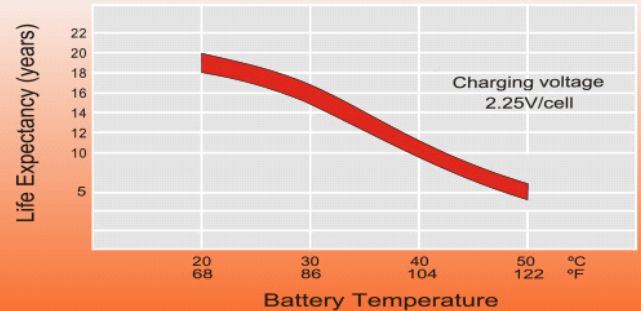
--- State of charge 100%

— State of charge 90%

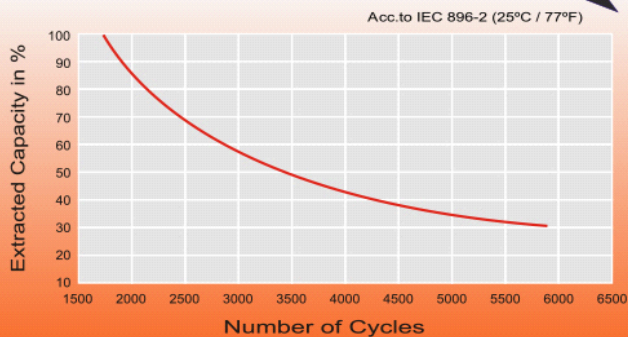
Temperature Effects in Relation to Battery Capacity



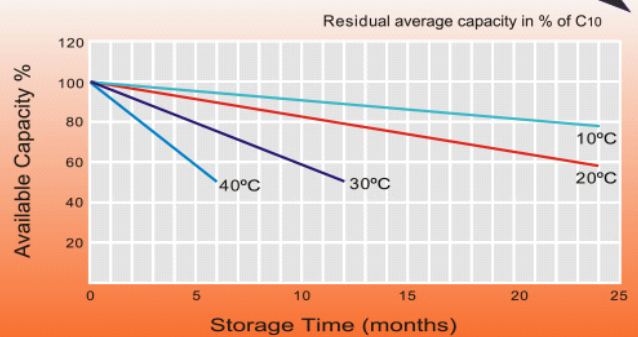
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



General Relation of Capacity VS Storage Time



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