

**LIST OF TECHNICAL CHARACTERISTICS BATTERY CELL TYPE  
2V 18 OPzS 2250**

1	Plate Manufacturer	SUNLIGHT
2	Type of battery cell	2V 18 OPzS 2250
3	Battery Cell Capacity (Ah), C <sub>10</sub> (1,8V/cell, 20°C)	2250
4	Plate Capacity (Ah), C <sub>10</sub> (1,8V/cell, 20°C)	125
5	Number of plates (+) per cell	18
6	Content in Antimony of positive plates	1.6%
7	Nominal voltage of battery cell (V)	2
8	Electrolyte density for fully charged state at 25°C (gr/ml)	1.24
9	Floating voltage set point (V/cell)	2.23
10	Floating voltage tolerance from set point	+0.02V(2.21-2.25)
11	Single cell floating voltage tolerance from set point	+0.1V-0.05V (2.18-2.33)
12	Initial charge current (A)	225
13	End of charge Voltage (V/cell)	2.35 to 2.40
14	Recommended End of Discharge voltage for 10-hrs rat (V/c)	1.8
15	Recommended End of Discharge voltage for 1-hr rate (V/c)	1.65
16	Short circuit current of the battery cell (A)	14000
17	Internal resistance of battery cell (mΩ/cell)	0.15
18	Tolerance in cycle for 80% discharge	1000
19	Self-discharge rate per month	<2.5%
20	Efficiency factor KWh:	85%
21	Efficiency factor Ah:	95%
22	Dimensions of battery cell in mm (LxWxH)	487x212x797
23	Weight of battery cell : Without electrolyte (Kgr) With electrolyte (Kgr)	115.0 180.0
24	Type and number of poles	M10 / 8

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