

# TOPIN 12V2.3Ah

## 12TP2.3

- SSL approved
- Case and cover made of high quality ABS
- Freedom from electrolyte maintenance
- Not restricted for air or surface transport
- Each cell is individually valved
- Multi cell design for economy of installation and maintenance
- Lead Calcium Alloy grids for minimal gassing and ease of recycling
- Absorbent Glass Matt (AGM) technology for efficient gas recombination of up to 99%

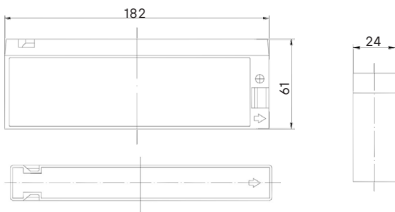




# 12TP2.3

## BATTERY SPECIFICATIONS

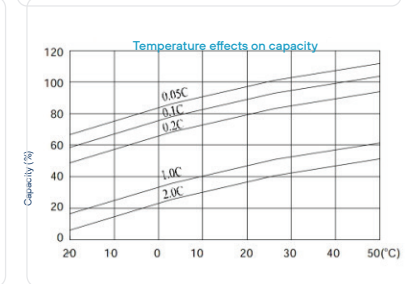
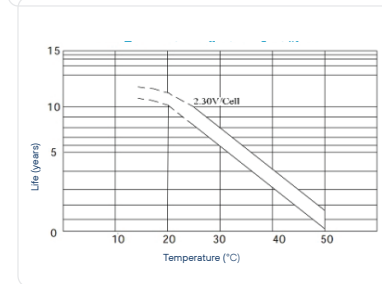
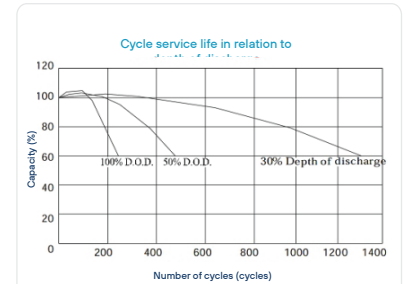
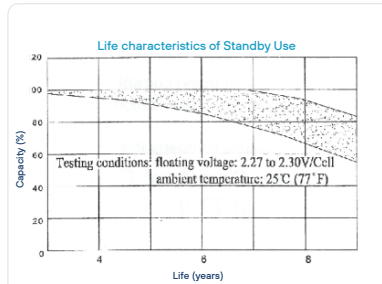
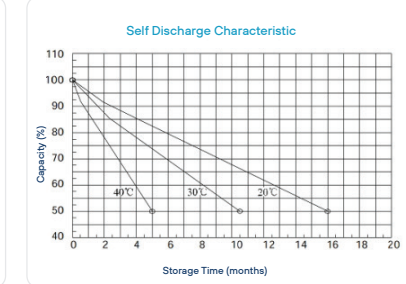
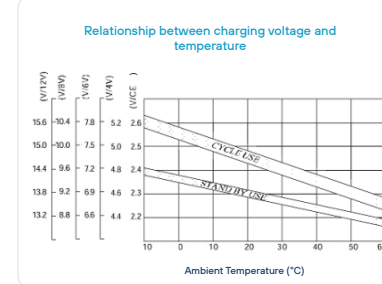
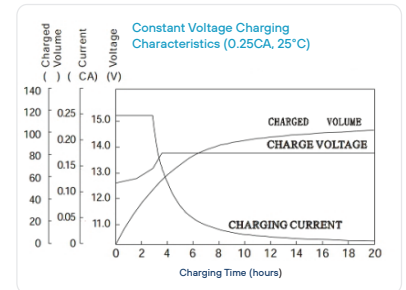
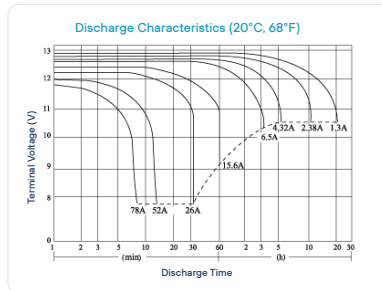
### Dimensions



### Specifications

Nominals Voltage	12V
Number of Cells	6
Design life	10 Years
Normal Capacity 25°	
20 Hr rate (10.5V)	2.3Ah
10 Hr rate (10.5V)	2.1Ah
5 Hr rate (10.5V)	2.0Ah
CCA at -18°C	NA
Dimensions	182(L) x 24(W) x 61(H)mm
Weight	0.68kg
Terminal	Flat Plate
Torque Setting	NA
Charge voltage	Cycle: 14.4 - 14.6V at 25°C Float: 13.6 - 13.8V at 25°C
Internal resistance	130mΩ 25°C - Fully charged Battery
Electrolyte	Sulphuric acid
Operating Temperature	-20°C to +60°C

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(However it is recommended that the batteries be operated in the temperature range of 20 to 30°C to obtain full life and optimum performance.)

Specifications subject to change without notice.

# PERFORMANCE DATA

## 12TP2.3

### Discharge Constant Power (Watts at 25°C)

End Voltage Time		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	9.45	10.9	11.9	12.8	13.1	13.5	14.0
10	min	7.77	8.52	9.03	9.50	9.70	9.92	10.30
15	min	7.00	7.22	7.52	7.77	7.87	7.98	8.13
30	min	4.00	4.27	4.47	4.62	4.67	4.73	4.82
60	min	2.47	2.68	2.77	2.83	2.88	2.95	3.05
120	min	1.29	1.40	1.46	1.50	1.53	1.56	1.61
180	min	0.920	0.998	1.06	1.13	1.15	1.18	1.22
240	min	0.703	0.768	0.812	0.840	0.860	0.882	0.915
300	min	0.535	0.597	0.648	0.695	0.713	0.733	0.762
600	min	0.342	0.378	0.397	0.408	0.417	0.428	0.445
1200	min	0.203	0.215	0.223	0.230	0.232	0.235	0.238

### Discharge Constant Current (Amperes at 25°C)

End Voltage Time		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	5.33	5.97	6.55	7.04	7.26	7.51	7.82
10	min	3.65	4.16	4.58	4.97	5.14	5.33	5.54
15	min	3.23	3.6	3.86	4.07	4.16	4.25	4.36
30	min	1.78	2.06	2.27	2.46	2.53	2.61	2.69
60	min	1.18	1.29	1.36	1.42	1.44	1.47	1.51
120	min	0.630	0.681	0.725	0.766	0.783	0.802	0.824
180	min	0.442	0.490	0.532	0.566	0.578	0.590	0.604
240	min	0.353	0.396	0.414	0.430	0.435	0.441	0.450
300	min	0.316	0.338	0.351	0.362	0.366	0.370	0.375
600	min	0.185	0.197	0.204	0.210	0.212	0.215	0.218
1200	min	0.094	0.101	0.106	0.111	0.113	0.115	0.117