

# TOPIN 12V21Ah

## 12TP21

- 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%

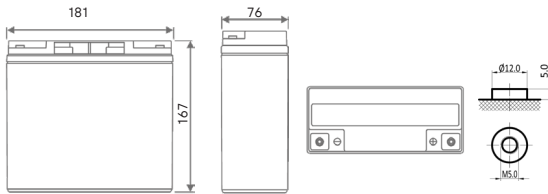


# 12TP21

## BATTERY SPECIFICATIONS



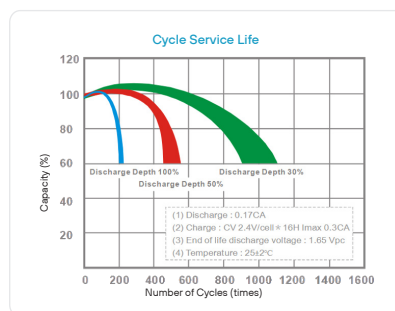
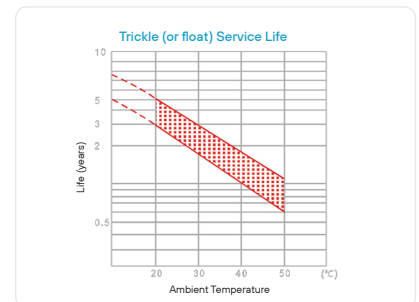
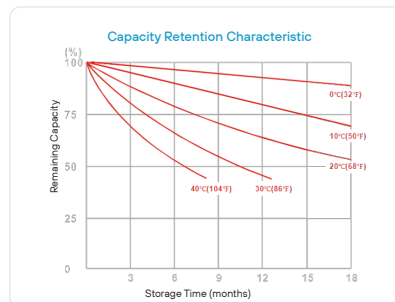
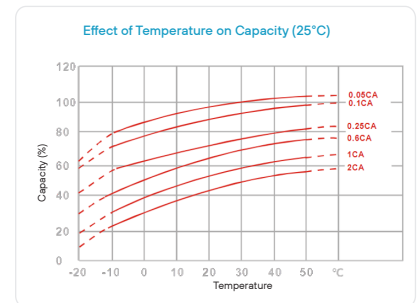
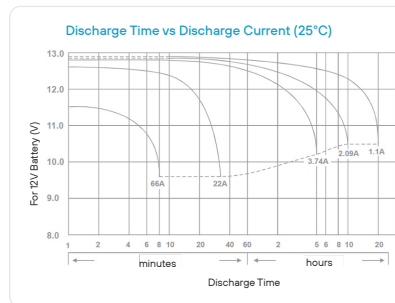
### Dimensions



### Specifications

Nominals Voltage	12V
Number of Cells	6
Design life	10 Years
Normal Capacity 25°	
20 Hr rate (10.5V)	23Ah
10 Hr rate (10.5V)	22.1Ah
5 Hr rate (10.5V)	18.85Ah
CCA at -18°C	205
Dimensions	181(L) x 76(W) x 167(H)mm
Weight	8kg
Terminal	M5
Torque Setting	7Nm
Charge voltage	Cycle: 14.4 - 14.6V at 25°C Float: 13.5 - 13.8V at 25°C
Internal resistance	9mΩ 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

## 12TP21

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	110	128	139	146	148	150	152
10	min	78.7	88.8	96.2	101	102	103	105
15	min	68.2	75.5	80.4	83.5	84.3	85.2	85.9
30	min	35.5	37.9	40.6	42.2	42.7	43.1	43.6
60	min	22.2	23.2	24.0	24.7	24.8	25.2	25.5
120	min	12.2	12.7	13.0	13.5	13.6	13.7	13.8
180	min	9.53	9.88	10.1	10.3	10.4	10.5	10.6
240	min	7.63	7.93	8.12	8.27	8.32	8.38	8.46
300	min	6.65	6.88	7.00	7.10	7.13	7.18	7.24
600	min	3.87	3.98	4.07	4.13	4.15	4.19	4.22
1200	min	2.05	2.12	2.17	2.20	2.22	2.23	2.25

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	69.6	75.4	79.1	82.3	83.7	85.1	87.6
10	min	46.7	49.9	52.4	54.6	55.5	56.5	58.2
15	min	35.4	38.1	39.8	41.3	41.9	42.6	43.5
30	min	18.9	20.4	21.5	22.4	22.7	23.1	23.6
60	min	11.1	11.7	12.2	12.6	12.7	12.9	13.1
120	min	6.25	6.47	6.61	6.73	6.77	6.82	6.89
180	min	4.73	4.90	5.00	5.08	5.11	5.15	5.21
240	min	3.88	3.97	4.04	4.09	4.11	4.14	4.17
300	min	3.41	3.48	3.53	3.57	3.58	3.60	3.62
600	min	1.97	2.00	2.02	2.04	2.05	2.06	2.07
1200	min	1.00	1.03	1.05	1.07	1.08	1.09	1.10