

JS7.2-6 6V7.2Ah (20hr)



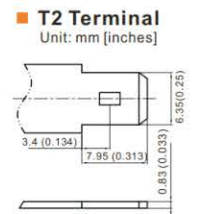
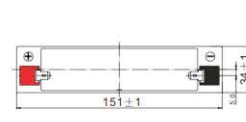
Specification

Nominal Voltage	6V
Nominal Capacity	7.2Ah
Design life	5 years
Terminal	T2
Approx. Weight	Approx 1.1 kg (2.43lbs)
Container Material	ABS
Rated Capacity	7.2Ah 20Hour Rate (0.36A to 10.8V)
	6.7Ah 10Hour Rate (0.67A to 10.8V)
	6.12Ah 5Hour Rate (1.22A to 10.5V)
Internal resistance	Full charged at 25 °C: 25 mOhms
Max. Discharge Current	108A(5S)
Operating Temperature	Discharge: -15 ~50°C (5~ 122 °F)
	Charge: 0~40°C (32~104 °F)
	Storage: -15~40°C (5~104 °F)
Charge Voltage(25 °C)	Max. charge Current: 2.16A
	Cycle use: 7.2-7.5V(-30mV/ °C)
	Float use: 6.75-6.9V(-20mV/ °C)
Self discharge	3% of capacity declined per month at 20°C

Unit: mm Dimension: 151(L)×34(W) ×94(H)×100(TH)

Application

- > General purpose
- > Uninterruptable Power Supply
- > Electric Power System (EPS) Emergency
- > Backup power supply
- > Auto control system
- > Emergency light
- > Railway signal
- > Aircraft signal
- > Alarm and security system Electronic
- > Medical equipments
- > Warranty: 1 year



Constant Current Discharge (Amperes) at 25 °C (77°F)

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	13.7	10.5	8.72	5.83	3.62	2.14	1.68	1.36	1.11	0.777	0.649	0.356
1.80V/cell	18.4	13.5	10.5	6.88	4.06	2.34	1.80	1.45	1.19	0.825	0.670	0.360
1.75V/cell	20.8	14.8	11.5	7.14	4.24	2.42	1.84	1.49	1.22	0.839	0.688	0.364
1.70V/cell	22.9	16.1	12.3	7.43	4.38	2.48	1.89	1.53	1.25	0.851	0.701	0.370
1.65V/cell	25.2	17.4	13.1	7.84	4.48	2.52	1.97	1.58	1.29	0.864	0.716	0.375
1.60V/cell	27.8	18.9	14.0	8.28	4.52	2.63	2.03	1.63	1.33	0.872	0.724	0.377

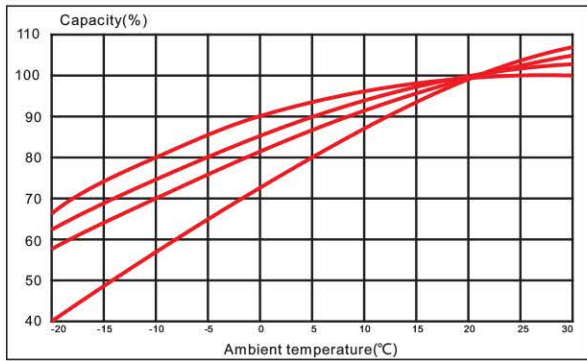
Constant Power Discharge (Watts) at 25 °C (77°F)

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	25.1	19.4	16.3	11.1	6.98	4.16	3.27	2.66	2.18	1.53	1.29	0.706
1.80V/cell	33.33	24.6	19.4	12.9	7.78	4.51	3.49	2.83	2.33	1.62	1.32	0.712
1.75V/cell	36.7	26.6	20.9	13.3	8.10	4.66	3.54	2.88	2.38	1.65	1.36	0.718
1.70V/cell	39.3	28.3	22.0	13.8	8.33	4.76	3.64	2.95	2.44	1.67	1.38	0.731
1.65V/cell	42.8	30.2	23.2	14.4	8.46	4.80	3.78	3.04	2.49	1.69	1.41	0.740
1.60V/cell	46.1	32.13	24.5	15.1	8.50	4.99	3.87	3.13	2.57	1.70	1.42	0.743

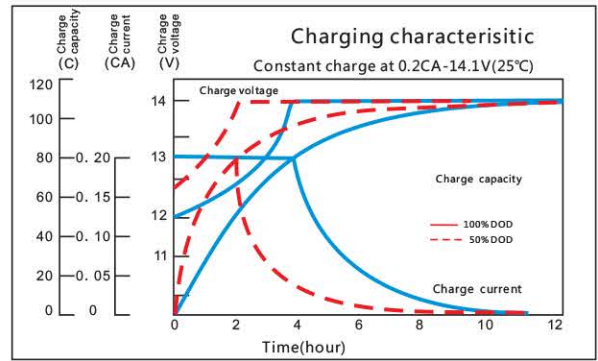
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Model Performance Diagrams

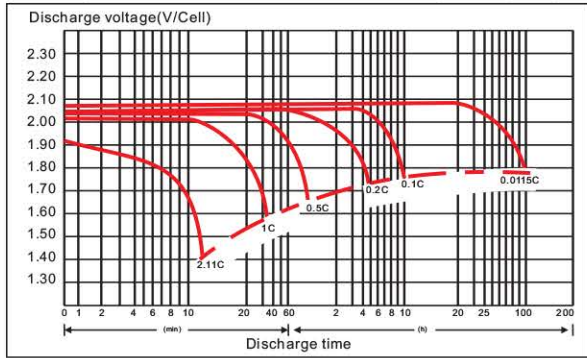
Curves of discharge capacity and ambient temperature



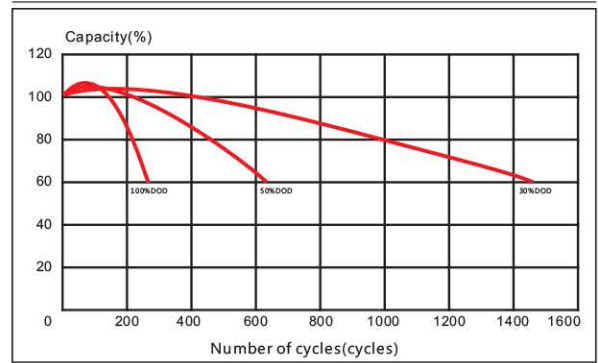
Curves of charging characteristics



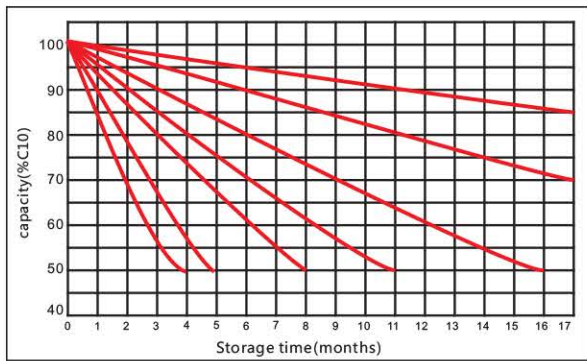
Discharge characteristics at different discharge rate(20°C)



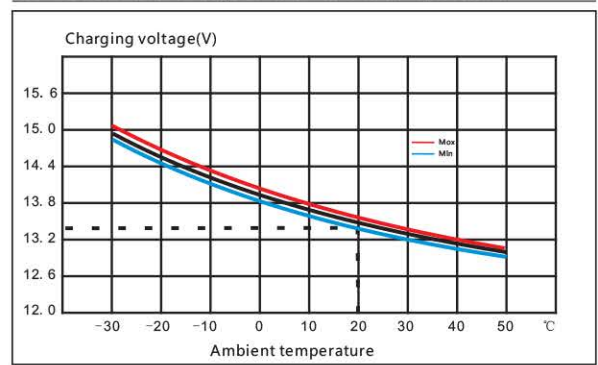
Curves of cycle life



Curves of self-discharge and storage time



Curves of float voltage and ambient temperature



Charging procedures

Application type	Charge Voltage(V)			Max charge current (A)
	Temp (°C)	Set point	Temperature compensation	
Cycle use	25	14.4	-5mV/°C/cell	0.25C
Float use	25	13.65	-3mV/°C/cell	

The relationship between discharge current and voltage

Discharge rate	1hr	3hr	8hr	10hr
End voltage (V)	10.5	10.8	10.8	10.8
Discharge current (A)	0.55C	0.25C	0.12C	0.1C

