

# JS1.3-6 6V1.3Ah (20hr)



## Specification

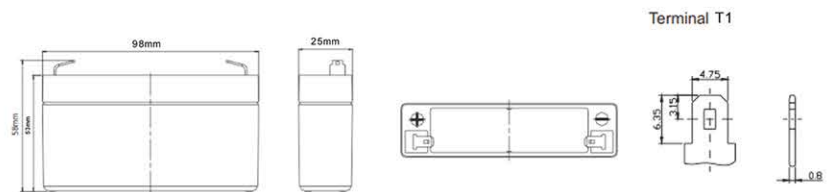
Nominal Voltage	6V
Nominal Capacity	1.3Ah
Design life	5 years
Terminal	T1
Approx. Weight	Approx 0.3 kg (0.66lbs)
Container Material	ABS
Rated Capacity	<b>1.3Ah</b> 20Hour Rate (0.06A to 10.8V)
	<b>1.2Ah</b> 10Hour Rate (0.11A to 10.8V)
	<b>1.1Ah</b> 5Hour Rate (0.19A to 10.5V)
Internal resistance	Full charged at 25 °C: 25 mOhms
Max. Discharge Current	13A(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: 0.39A
	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

## 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



Unit: mm Dimension: 98(L)×25(W)×53(H)×58(TH)



## 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	3.278	2.491	1.934	1.172	0.785	0.452	0.318	0.254	0.220	0.145	0.122	0.062
1.80V/cell	3.747	2.717	2.097	1.218	0.804	0.461	0.324	0.257	0.221	0.146	0.124	0.063
1.75V/cell	4.182	2.913	2.222	1.260	0.816	0.465	0.328	0.267	0.223	0.147	0.126	0.066
1.70V/cell	4.652	3.115	2.356	1.296	0.826	0.471	0.331	0.271	0.224	0.148	0.127	0.067
1.65V/cell	4.942	3.278	2.424	1.316	0.834	0.476	0.334	0.273	0.226	0.150	0.129	0.069
1.60V/cell	5.127	3.362	2.504	1.333	0.845	0.486	0.340	0.277	0.228	0.150	0.130	0.070

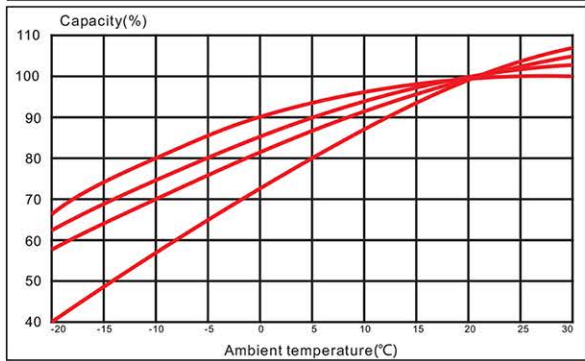
## Constant Power Discharge ( Watts ) at 25 °C (77°F)

F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	18.7	14.47	11.33	6.961	4.704	2.709	1.909	1.523	1.323	0.871	0.733	0.375
1.80V/cell	21.21	15.55	12.03	7.157	4.809	2.749	1.947	1.545	1.328	0.877	0.744	0.381
1.75V/cell	23.51	16.62	12.74	7.331	4.873	2.769	1.970	1.599	1.334	0.881	0.756	0.397
1.70V/cell	25.76	17.33	13.44	7.484	4.939	2.799	1.985	1.621	1.345	0.888	0.761	0.403
1.65V/cell	27.08	18.05	13.62	7.549	4.976	2.824	2.002	1.636	1.353	0.895	0.771	0.414
1.60V/cell	27.8	18.43	13.81	7.628	5.050	2.861	2.035	1.660	1.365	0.899	0.778	0.417

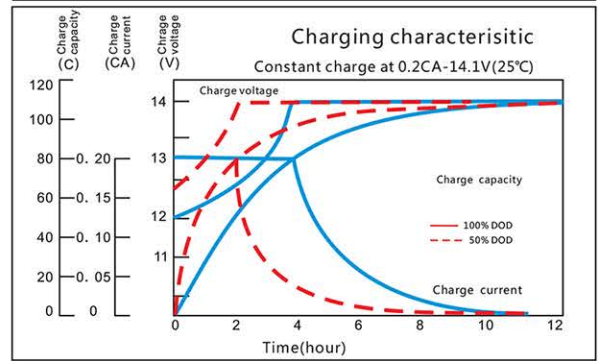
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## Model Performance Diagrams

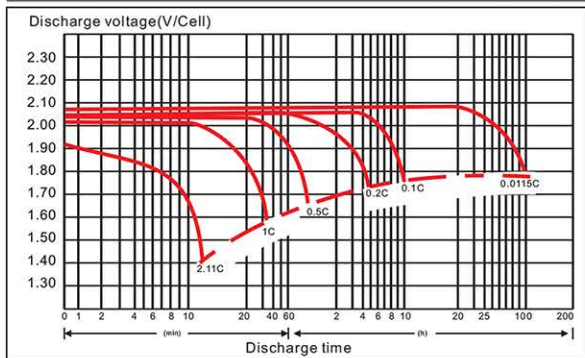
Curves of discharge capacity and ambient temperature



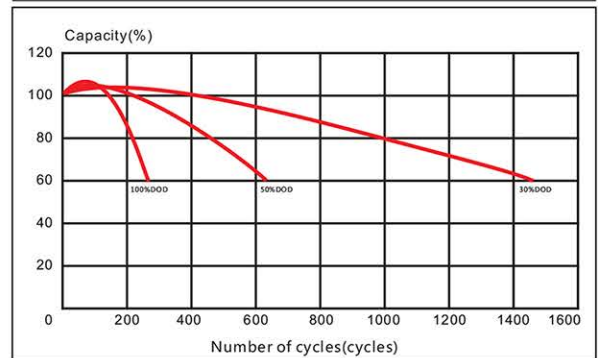
Curves of charging characteristics



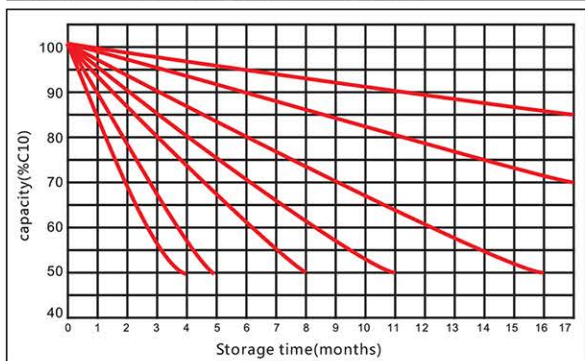
Discharge characteristics at different discharge rate(20°C)



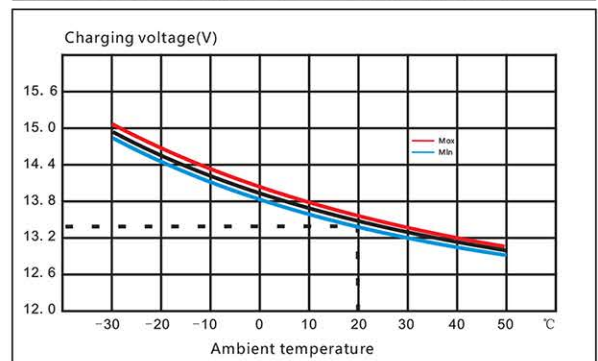
Curves of cycle life



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

