

JP7-12



Dimension & Weight

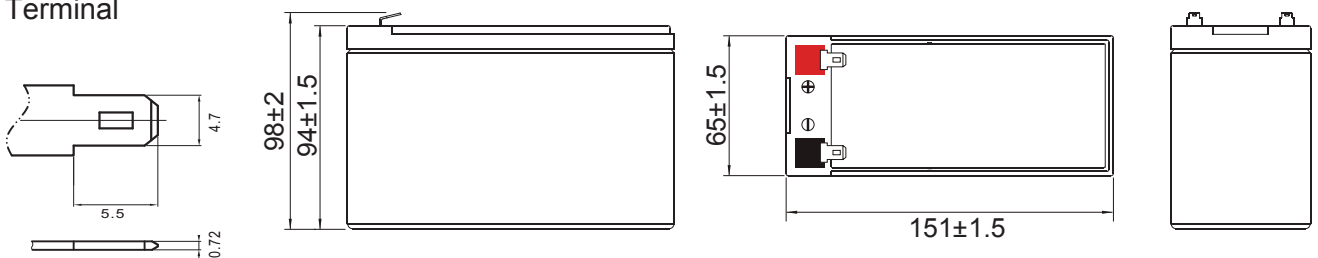
Battery Model:	JP7-12
Length:	151mm (5.94 inch)
Width:	65mm (2.56 inch)
Height:	94mm (3.70 inch)
Total Height:	98mm (3.86 inch)
Approx Weight	2.10kg

Performance Characteristics

General Information	Nominal Voltage	12V
	Numbers of Cells	6
	Nominal Capacity	7.2
	Design Life @ 20°C	3 ~ 5 years
	Terminal	F1
Casing Material	Standard	ABS
	Flame Retardant Optional (FR)	ABS (UL94:VO)
Nominal Capacity 77°F (25°C)	20 hour rate (0.36A, 10.5V)	7.2Ah
	10 hour rate (0.69A, 10.5V)	6.9Ah
	5 hour rate (1.16A, 10.5V)	5.8Ah
	1 hour rate (4.80A, 9.60V)	4.8Ah
Internal Resistance	Fully Charged battery 77°F (25°C) 35mOhms	
Self-Discharge	3% of capacity declined per month at 25°C (average)	
Operating Temperature Range	Discharge	-20 ~ 60°C
	Charge	-10 ~ 60°C
	Storage	-20 ~ 60°C
Max Discharge Current @ 77°F (25°C)	105A (5s)	
Short Circuit Current	350A	
Charge Methods	Constant Voltage Charge 77°F (25°C)	
	Cycle use 14.4 - 15.0V	
	Float use 13.5 - 13.8V	
	Temperature compensation -20mV/°C	
	Maximum charging current 2.16A	
Battery Certification		

Outer Dimension

F1 Terminal



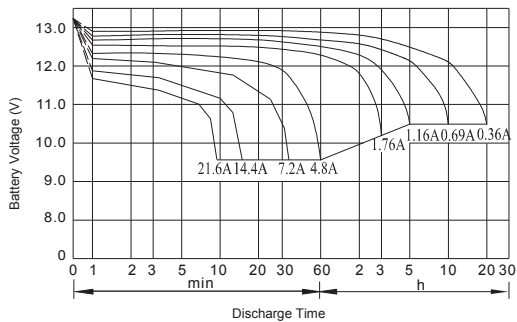
Constant Current Discharge Data (Ampere @ 25°C)

F.V/Time	5min	10min	15min	30min	1hour	3hour	5hour	10hour	20hour
1.60/Cell	26.06	17.91	12.99	8.27	4.80	1.88	1.29	0.71	0.38
1.67/Cell	24.05	17.03	12.35	7.93	4.63	1.82	1.25	0.70	0.38
1.70/Cell	21.85	15.69	11.38	7.51	4.44	1.76	1.20	0.70	0.37
1.75/Cell	20.04	14.81	10.74	7.23	4.25	1.69	1.16	0.69	0.36
1.80/Cell	19.68	14.53	10.54	7.09	4.04	1.64	1.12	0.67	0.35

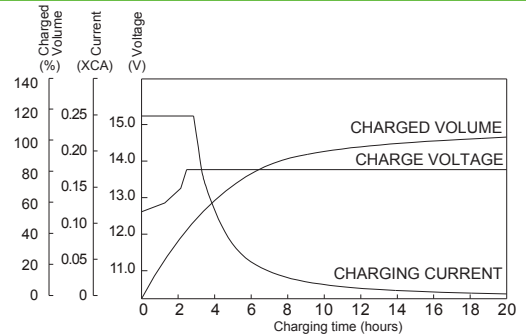
Constant Power Discharge Data (Watts per cell @ 25°C)

F.V/Time	5min	10min	15min	30min	45min	1hour	2hour	3hour	5hour
1.60/Cell	50.81	34.93	25.33	16.13	11.80	9.30	5.13	3.68	2.38
1.67/Cell	46.90	33.20	24.08	15.47	11.30	8.90	5.02	3.59	2.34
1.70/Cell	42.60	30.60	22.19	14.65	10.80	8.53	4.89	3.49	2.30
1.75/Cell	39.09	28.87	20.94	14.09	10.40	8.28	4.73	3.38	2.25
1.80/Cell	38.37	28.34	20.55	13.83	10.00	7.90	4.58	3.27	2.19

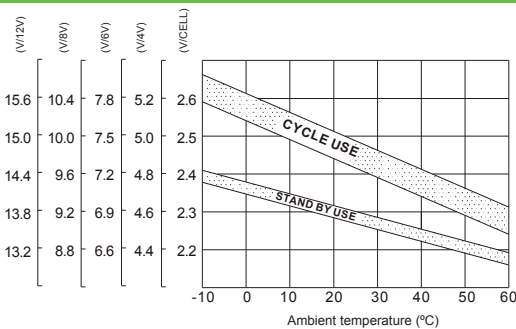
Discharge Characteristic (25°C)



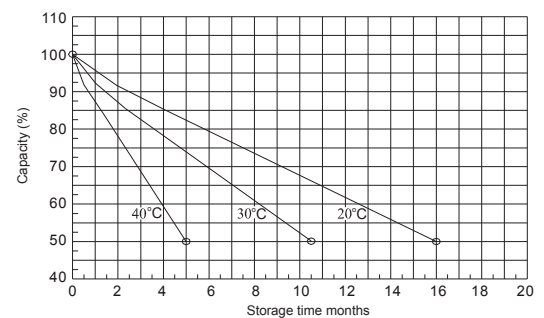
Constant Voltage Charging Characteristic



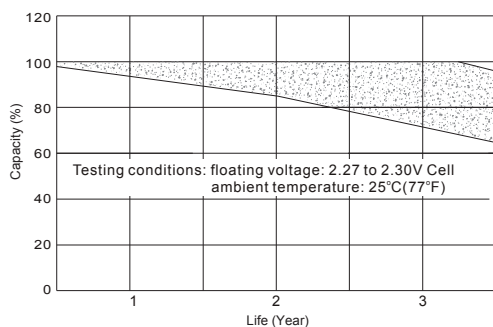
Relationship between charging voltage and temperature



Self-discharge characteristic



Life characteristics of Standby use



Cycle Service Life

