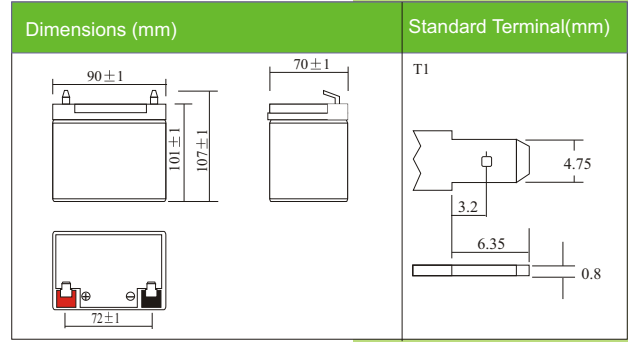
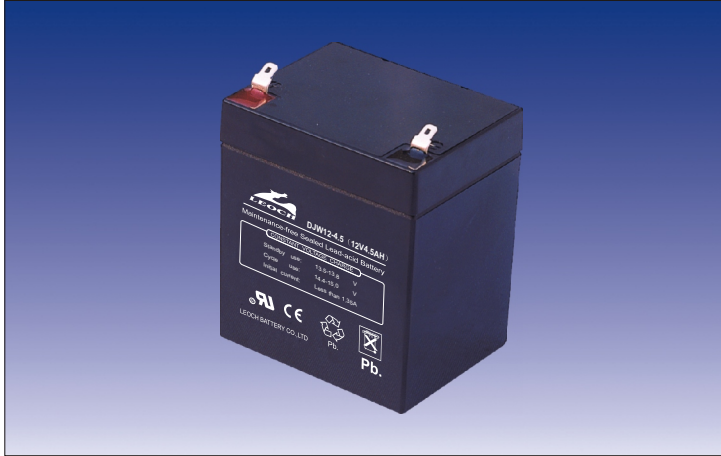




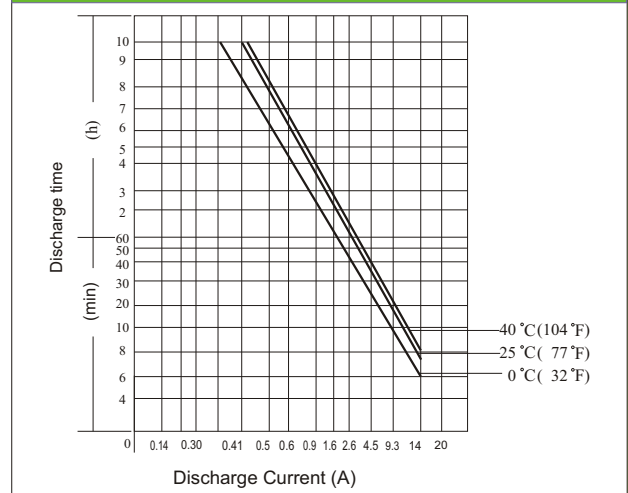
# DJW12-4.5(12V4.5AH)



## PHYSICAL SPECIFICATION

Nominal Voltage		12V
Nominal Capacity (20HR)		4.5AH
Dimension	Length	90±1mm (3.54 inches)
	Width	70±1mm (2.76 inches)
	Container Height	101±1mm (3.98 inches)
	Total Height (with Terminal)	107±1mm (4.21 inches)
Weight		Approx 1.60kg (3.53lbs)
Standard Terminal		T1 (standard)

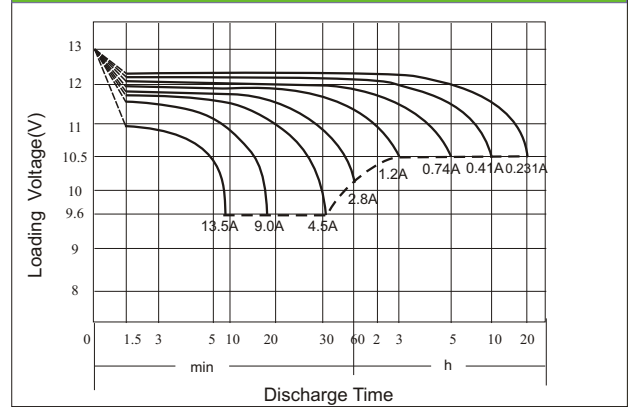
## Discharging Current & Discharge Duration Time



## ELECTRICAL SPECIFICATION

Rated Capacity	20 hour rate (231mA)	4.6AH	Constant-Voltage	Cycle	Initial Charging Current less than 1.35A. Voltage 14.4V~15.0V at 25°C (77°F) Temp. Coefficient -30mV/C
	10 hour rate (410mA)	4.1AH			
	5 hour rate (740mA)	3.7AH			
	1 hour rate (2.85 A)	2.85AH			
	15minute rate (9.02 A)	2.255AH			
Capacity affected by Temperature	40°C (104°F)	103%	Charge	Standby	No limit on Initial Charging Current Voltage 13.5V~13.8V at 25°C (77°F) Temp. Coefficient -20mV/C
	25°C (77°F)	100%			
	0°C (32°F)	86%			
Internal Resistance	Fully charged battery (25°C, 77°F) 34mΩ				

## Discharge Characteristics (25°C, 77°F)



## Constant Current (Amp) and Constant Power (Watt/Cell) Discharge Table

Final voltage	Time	Discharge Time (Minute) to final voltage /cell												
		0.5	1	2	3	6	10	20	30	60	120	180	300	600
1.75V	A	27.8	25.5	23.2	18.5	11.5	10.3	6.24	4.59	2.58	1.55	1.17	0.74	0.41
	25°C W	44.1	37.9	34.4	27.4	17.1	18.6	11.4	8.49	4.94	2.99	2.33	1.55	0.82
1.70V	A	37.5	33.6	30.5	24.3	14.7	11.2	6.56	4.77	2.67	1.61	1.20	0.76	0.52
	25°C W	60.3	51.8	46.8	37.9	22.0	19.4	11.9	8.81	5.08	3.20	2.35	1.60	0.93
1.60V	A	48.7	42.8	37.9	29.8	17.4	12.9	7.09	5.29	2.85	1.71	1.29	0.82	0.57
	25°C W	70.2	60.7	54.1	42.5	24.6	21.9	12.6	10.5	5.32	3.26	2.47	1.65	1.03
1.75V	A	24.3	22.0	20.5	16.3	9.8	9.19	5.59	4.10	2.31	1.39	1.05	0.67	0.36
	5°C W	38.6	34.8	32.4	25.5	16.1	16.6	10.2	7.60	4.42	2.68	2.08	1.34	0.72
1.70V	A	33.6	30.9	27.8	22.0	13.1	10.0	5.87	4.27	2.39	1.44	1.07	0.72	0.41
	5°C W	51.8	45.6	41.7	33.1	20.5	17.4	10.7	7.88	4.55	2.86	2.10	1.39	0.82
1.60V	A	41.7	37.1	32.0	25.1	14.4	11.5	6.35	4.74	2.55	1.53	1.15	0.74	0.46
	5°C W	64.5	56.4	50.3	40.6	24.0	19.6	11.3	9.36	4.77	2.92	2.21	1.44	0.93