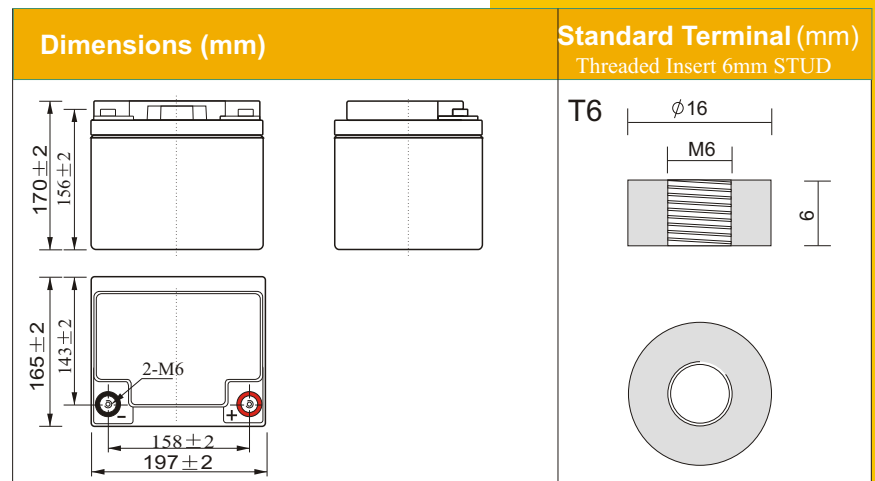
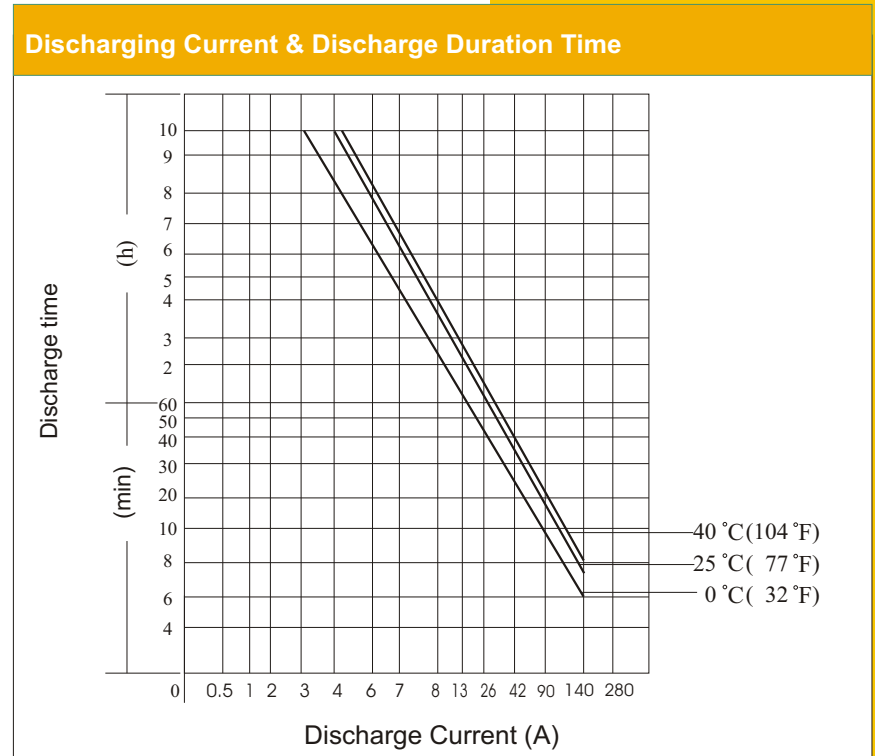




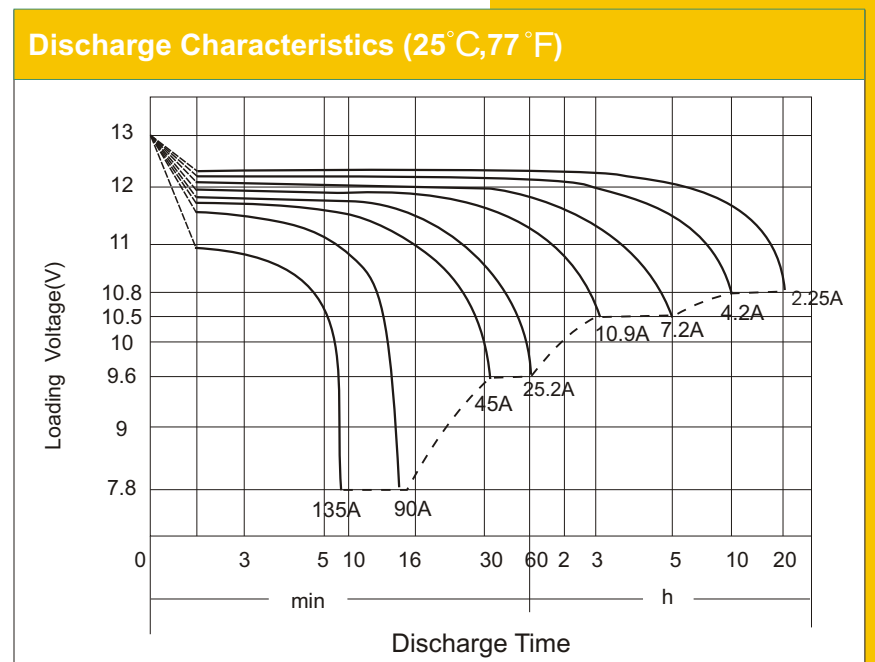
# DJM1245(12V45AH)



PHYSICAL SPECIFICATION		
Nominal Voltage		12V
Nominal Capacity (10HR)		42AH
Dimension	Length	197±2mm (7.76 inches)
	Width	165±2mm (6.50 inches)
	Container Height	170±2mm (6.69 inches)
	Total Height (with Cover)	170±2mm (6.69 inches)
Weight		Approx 14.5kg (32.0lbs)
Standard Terminal		Threaded Insert 6mm STUD



ELECTRICAL SPECIFICATION					
Rated Capacity	20 hour rate (2.25 A)	45.0AH	Constant Voltage	Cycle	Initial Charging Current less than 12.6A. Voltage 14.4V~ 15.0V at 25°C (77°F) Temp. Coefficient -30mV/°C
	10 hour rate (4.20 A)	42.0AH			
	5 hour rate (7.20 A)	36.0AH			
	3 hour rate (10.9 A)	32.7AH			
	1 hour rate (25.2 A)	25.2AH			
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) 9.0mΩ				



Constant Current (Amp) and Constant Power (Watt/Cell) Discharge Table											Discharge Time (Minute) to final voltage /cell	
Final voltage	Time	10	20	30	60	120	180	240	300	360	480	600
1.80V	A	74.8	49.3	40.1	23.7	13.8	10.1	8.21	7.04	6.40	5.00	4.20
25°C	W	136	90.9	75.6	45.5	26.5	19.6	16.0	13.7	12.4	9.98	8.38
1.75V	A	82.2	52.9	41.7	24.7	14.3	10.9	8.40	7.20	6.52	5.29	4.24
25°C	W	149	97.0	77.2	47.3	27.4	21.7	16.3	14.1	12.7	10.4	8.46
1.60V	A	105	63.0	48.3	27.3	15.8	11.8	9.35	8.01	6.94	5.50	4.46
25°C	W	178	112.2	91.1	51.0	30.1	22.6	18.0	15.4	13.4	10.7	8.78
1.80V	A	63.7	42.0	34.2	20.2	11.7	8.6	7.0	5.99	5.40	4.33	3.58
5°C	W	116	77.5	64.5	38.7	22.6	16.7	13.6	11.7	10.6	8.62	7.14
1.75V	A	70.1	45.1	35.5	21.1	12.2	9.29	7.16	6.31	5.56	4.51	3.61
5°C	W	127	82.6	65.8	40.3	23.4	18.5	13.9	12.6	10.8	8.85	7.21
1.60V	A	89.5	53.7	41.2	23.3	13.4	10.1	7.96	6.82	5.91	4.69	3.80
5°C	W	152	95.6	77.6	43.4	25.6	19.3	15.3	13.1	11.5	9.16	7.48