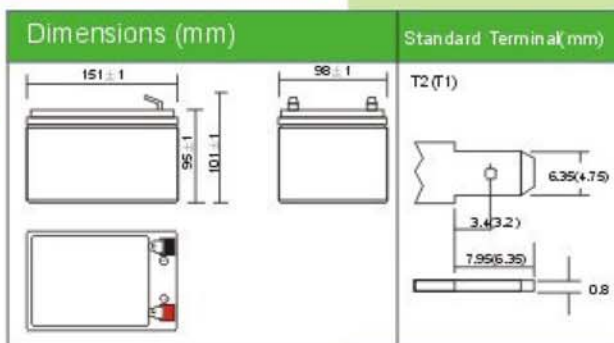


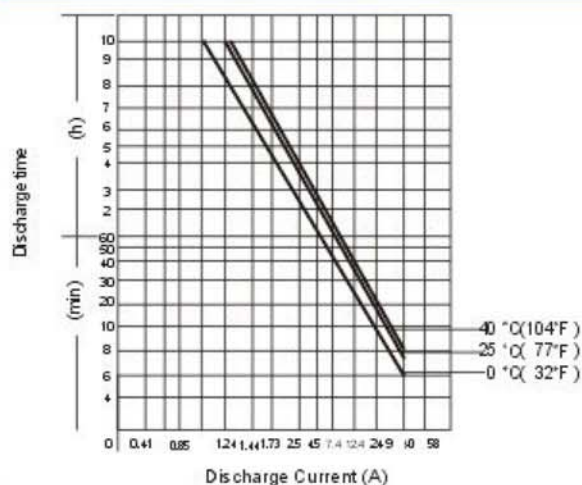


AMP9038

S 12V-12Ah FR : Valve Regulated Rechargeable Battery



Discharging Current & Discharge Duration Time



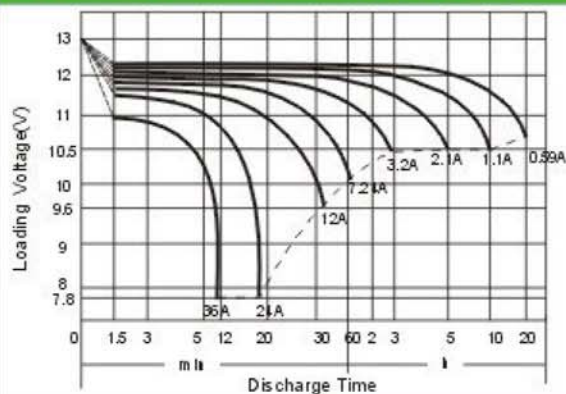
Physical Specification

Nominal Voltage		12V
Nominal Capacity (20HR)		12AH
Dimension	Length	151 ± 1mm (5.95 inches)
	Width	98 ± 1mm (3.86 inches)
	Container Height	95 ± 1mm (3.74 inches)
	Total Height (with Terminal)	101 ± 1mm (3.98 inches)
Weight		Approx. 3.85kg (8.49lbs)
Standard Terminal		T2/T1 (standard)
Plastic case		ABS UL94 V0

Electrical Specification

Rated Capacity	20 hour rate (0.80A)	12.0AH	Constant Voltage	Cycle	Initial Charging Current less than 3.6A. Voltage 14.4V-15.0V at 25°C (77°F). Temp. Coefficient -30mV/C
	10 hour rate (1.11A)	11.1AH			
	5 hour rate (2.07A)	10.35AH			
	1 hour rate (7.24A)	7.24AH			
	15 minute rate (22.3A)	5.6AH			
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%			

Discharge Characteristics (25°C, 77°F)



Constant Current (Amp) and Constant Power (Watt) Discharge Table (25°C, 77°F)

Time(minute) Final voltage/Cell	5	10	15	20	30	45	60	120	180	300	600	1200
Amp/Watt/Cell	1.3	1.3	1.3	1.3	1.6	1.6	1.67	1.7	1.75	1.75	1.75	1.8
A	54.59	33.42	22.28	19.16	13.93	10.03	7.24	4.34	3.18	2.07	1.11	0.59
W	92.47	63.62	43.23	37.66	27.52	19.94	14.37	8.69	6.24	4.12	2.23	1.19