

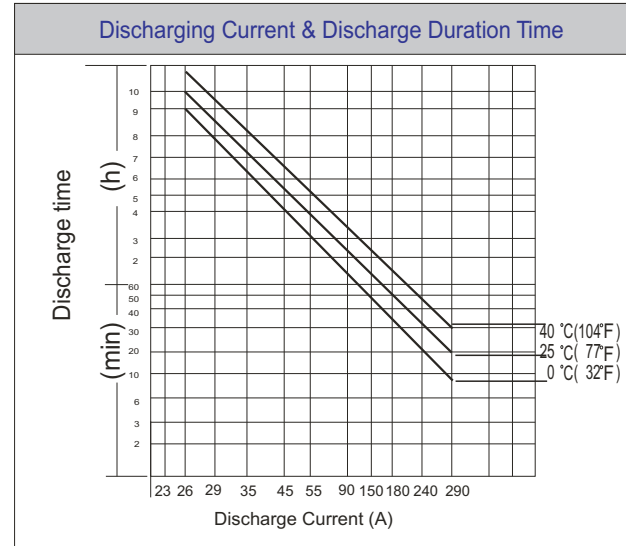
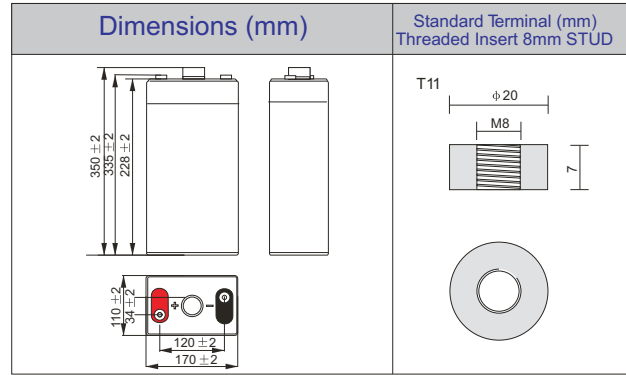


POWER-GUARD SERIES ®

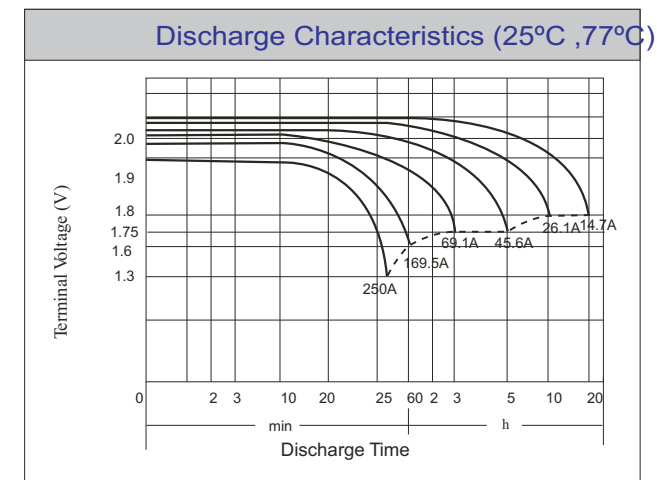


PG2V280

VRLA Sealed Long Life Battery



Physical Specification		
Nominal Voltage	2V	
Nominal Capacity (20HR)	294AH	
Dimension	Length	170 ± 2mm (6.69 inches)
	Width	110 ± 2mm (4.33 inches)
	Container Height	328 ± 2mm (12.91 inches)
	Total Height (with terminal)	350 ± 2mm (13.78 inches)
Weight	Approx 19.0 kg (41.92lbs)	
Standard Terminal	T11 Threaded Insert 8mm STUD	



Electrical Specification					
Rated Capacity	20 hour rate (14.7 A)	294 AH	Constant Voltage	Cycle	Initial Charging Current less than 75A. Voltage 2.40V~2.50V at 25°C(77°F) Temp. Coefficient -5mV/°C
	10 hour rate (26.1 A)	261 AH			
	8 hour rate (31.3 A)	250 AH			
	5 hour rate (45.6 A)	228 AH			
	3 hour rate (69.1 A)	207.3 AH			
	1 hour rate (169.5 A)	169.5 AH			
Capacity affected by Temperature	40°C (104°F)	103%	Charge	Standby	No limit on Initial Charging Current Voltage 2.25V~2.30V at 25°C(77°F) Temp. Coefficient -3mV/°C
	25°C (77°F)	100%			
	0°C (32°F)	86%			

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

Time(minute) Final voltage	30	45	60	120	180	240	300	360	480	600	1200
Amp/Watt/Cell	1.3	1.3	1.6	1.7	1.75	1.75	1.75	1.75	1.8	1.8	1.8
Amps	260.8	182.5	169.5	93.9	69.1	54.8	45.6	40.4	31.3	26.1	14.7
W/Cell	492.8	362.5	335.6	186.7	138.2	109.3	91.2	80.8	62.6	52.2	29.4