

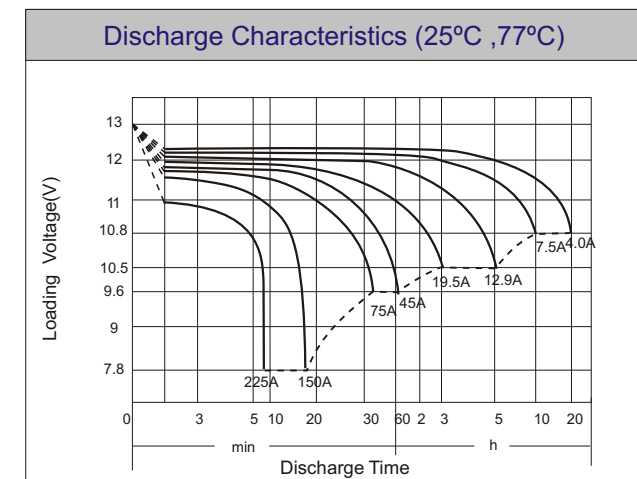
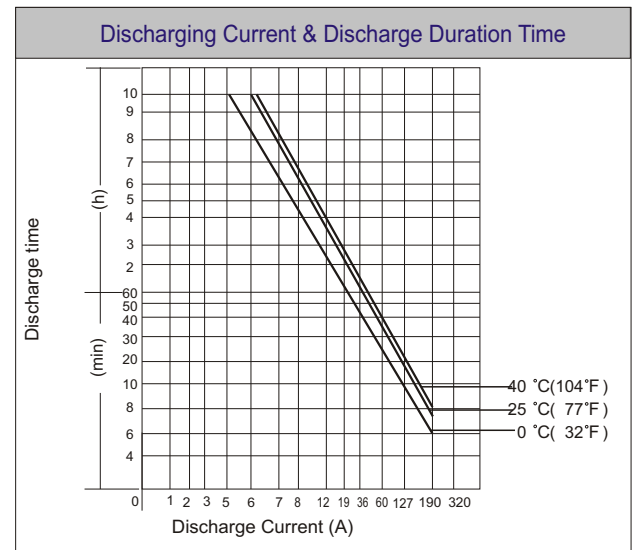
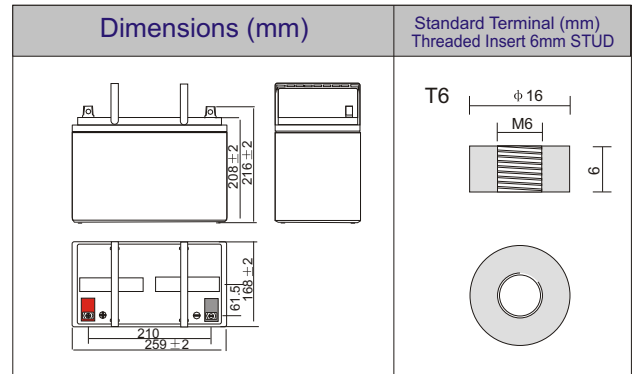


**POWER-GUARD SERIES®**



**PG12V80**

VRLA Sealed Long Life Battery



Physical Specification		
Nominal Voltage		12V
Nominal Capacity (20HR)		80AH
Dimension	Length	259 ± 2mm (10.20 inches)
	Width	168 ± 2mm (6.61 inches)
	Container Height	208 ± 2mm (8.19 inches)
	Total Height (with terminal)	216 ± 2mm (8.50 inches)
Weight		Approx 25kg (55.1 lbs)
Standard Terminal		T6 Threaded Insert 6mm STUD

Electrical Specification					
Rated Capacity	20 hour rate (3.25A)	80.0 AH	Constant-Voltage	Cycle	Initial Charging Current less than 22.5A Voltage 14.4V~ 15.0V at 25°C (77°F) Temp. Coefficient -30mV/°C
	10 hour rate (6.0A)	75.0 AH			
	5 hour rate (10.3A)	64.5AH			
	3 hour rate (15.6A)	58.5AH			
Capacity affected by Temperature	1 hour rate (36A)	45AH	Charge	Standby	No Limit on Initial Charging Current Voltage 13.5V~13.8V at 25°C(77°F) Temp. Coefficient - 20mV/°C
	40°C (104°F)	103%			
	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	10	15	20	30	45	60	120	180	240	300	360	480	600	1200
	1.3	1.3	1.3	1.6	1.6	1.67	1.7	1.75	1.75	1.75	1.75	1.8	1.8	1.8
Amp/Watt/Cell														
Amps	187.5	142.5	112.5	86.3	60.0	45.0	26.3	19.5	15.0	12.9	11.4	8.9	7.5	4.0
W/Cell	352.5	270.0	220.5	162.8	119.3	89.1	52.2	38.9	29.9	25.7	22.8	17.9	15.0	8.0