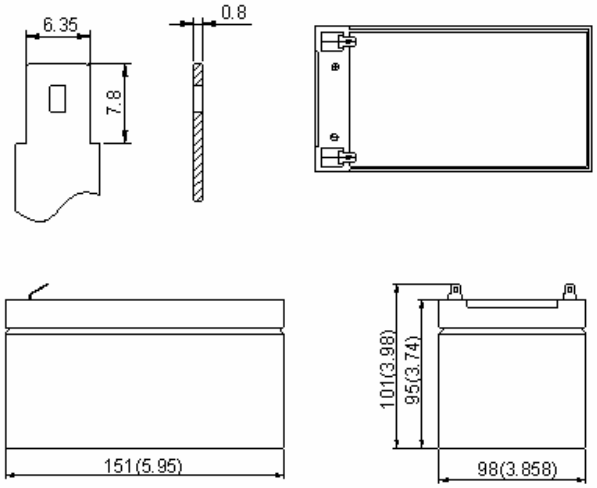
POWER KINGDOM Sealed Lead-Acid Batteries

PS12-12（12V12Ah）



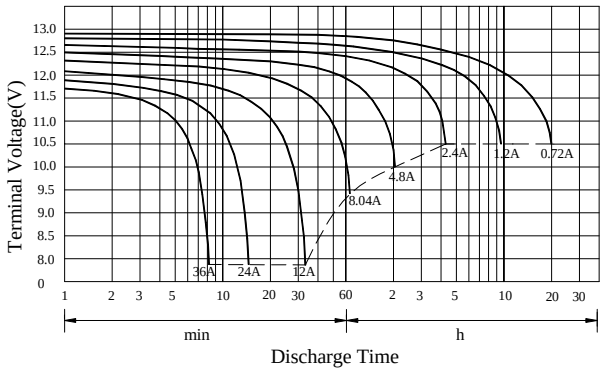
Specifications

Nominal Voltage		12V
Rated Capacity		12Ah
Dimensions	Total Height	6.57 inches (101mm)
	Height	6.57 inches (95mm)
	Length	7.12 inches (151mm)
	Width	3.03 inches (98mm)
Approximate Weight		9.03 lbs. (4.10kg)

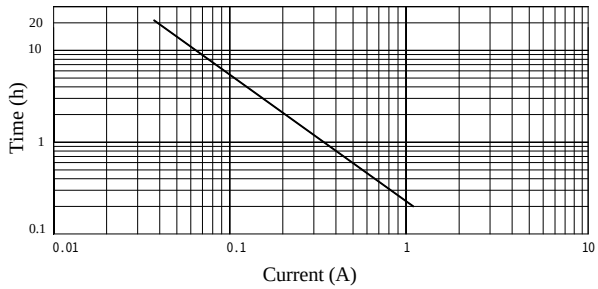
Characteristic

Capacity 77°F(25°C)	20h rate (0.60A)	12Ah
	10h rate (1.12A)	11.2Ah
	5h rate (1.92A)	9.6Ah
	1h rate (7.75A)	7.75Ah
	15 min rate (22.2A)	5.55Ah
Internal Resistance	Full Charged Battery 77°F(25°C)	20mΩ
Capacity Affected by Temperature (20h rate)	104°F(40°C)	102%
	77°F(25°C)	100%
	32°F(0°C)	85%
	5°F(-15°C)	65%
Self-Discharge 68°F(20°C) (Capacity after)	3 month storage	90%
	6 month storage	80%
	12 month storage	60%
Max. Discharge Current 77°F(25°C)	150A(5s)	
Terminal	T2	
Charge (Constant Voltage,25°C)	Cycle	14.5~14.9V(-24mV/°C) max. current: 4.8 A
	Float	13.6~13.8V(-18mV/°C)

DISCHARGE CHARACTERISTICS AT 25° C(77° F)*

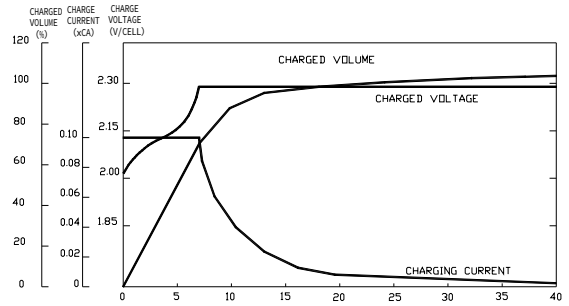


DISCHARGE CURRENT V'S TIME 25° C(77° F)

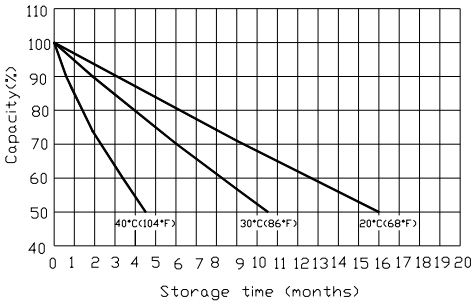


***The above data are of average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values.**

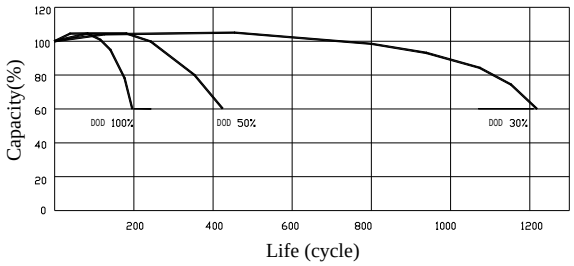
Constant-Voltage Characteristic (100% Discharged)



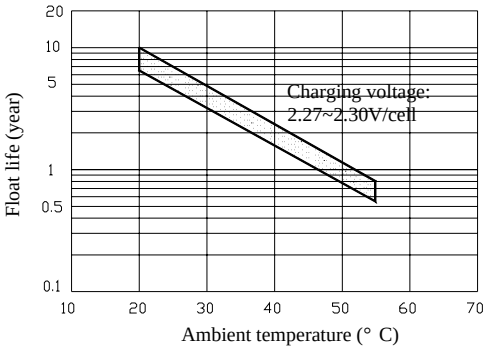
Self Discharge Characteristic



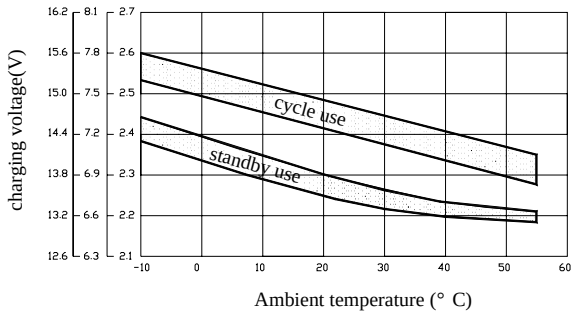
Cycle service life



Float service life V'S temperature

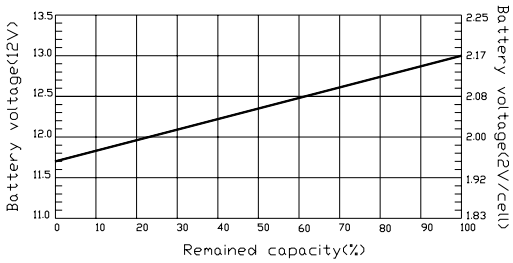


Charging voltage V'S temperature



Open circuit voltage and remaining capacity

(At 20° C)



- **Constant wattage discharge at stipulated cut-off voltages: Watt/Ah/Cell at 25^{0}C**

Final voltage (V/cell)	5m	10m	15m	30m	45m	1h	2h	3h	5h
1.60V	84.0	54.0	41.2	23.3	17.9	14.4	8.65	6.29	4.15
1.65V	81.6	52.8	40.9	23.0	17.7	14.3	8.55	6.22	4.09
1.70V	79.2	52.3	40.4	22.5	17.1	14.1	8.40	6.13	4.02
1.75V	77.2	52.0	40.0	21.8	16.5	13.8	8.18	5.95	3.91
1.80V	72.8	50.4	37.2	21.0	15.8	13.0	7.90	5.74	3.77