

HPS12-22W

HPS12-22W is specially designed for high efficient discharge application. Its characteristics are high energy density, small footprint and high discharge efficiency. It can be used for more than 450 cycles at 50% discharge in cycle service, up to 5 years in float service.

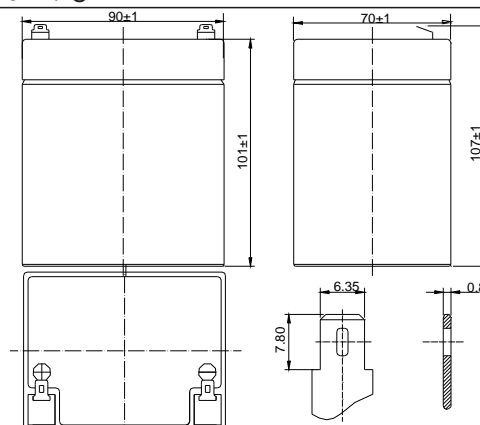
SPECIFICATIONS

Nominal Voltage	12 V
Number of cell	6
Nominal Capacity	22W/cell @ 15 min rate F.V.(1.67V/cell)
Approx. Weight	1.85Kg(4.08 lbs) (Weight deviation: $\pm 5\%$)
Internal Resistance	$\leq 26m\Omega$ (Fully Charged, 25°C)
Max. Discharge Current	100 A (3 sec.)
Max. Charge Current	2.0 A
Operating Temperature Range	Charge : -10°C~50°C Discharge : -20°C~60°C Storage : -10°C~55°C
Nominal Operating Temperature Range	25 \pm 5°C
Container Material	ABS(UL94-HB)&Flammability resistance of(UL94-V0) can be available upon request.
Self Discharge	3% of capacity declined per month at 20°C(average)
Charge Methods: Constant Voltage Charge (25°C)	
Cycle use	2.40-2.45VPC
Temperature compensation	-30mV/°C
Standby use	2.23-2.30VPC
Temperature compensation	-20mV/°C



Dimensions

	SI Units	English Units
Length	90mm	3.54inch
Width	70mm	2.76inch
Height	101mm	3.98inch
Total Height	107mm	4.21inch



Constant Current Discharge(Amperes at 25°C)

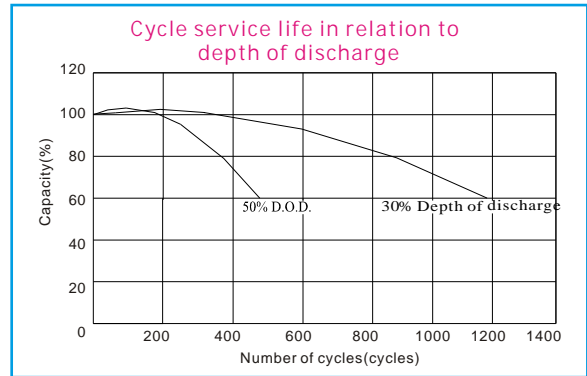
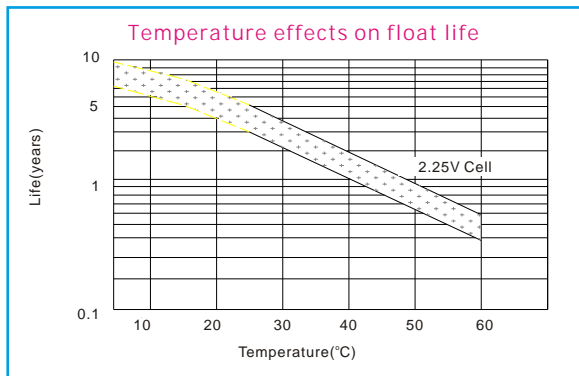
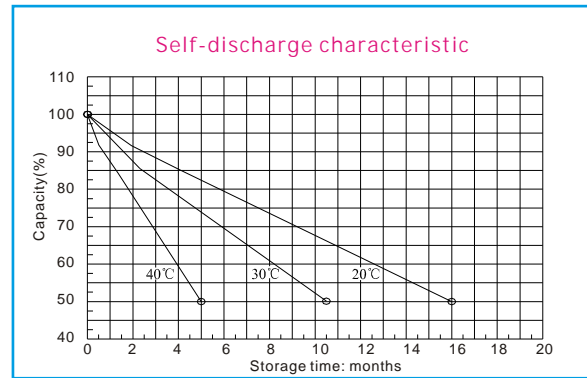
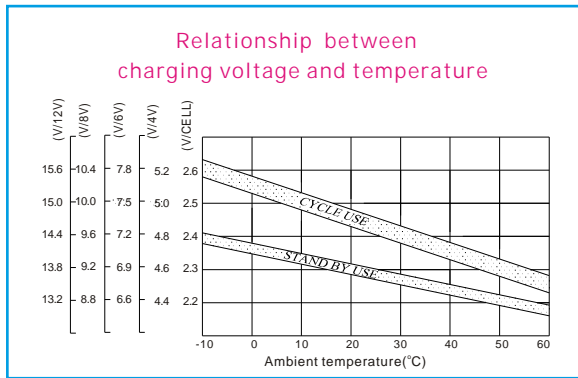
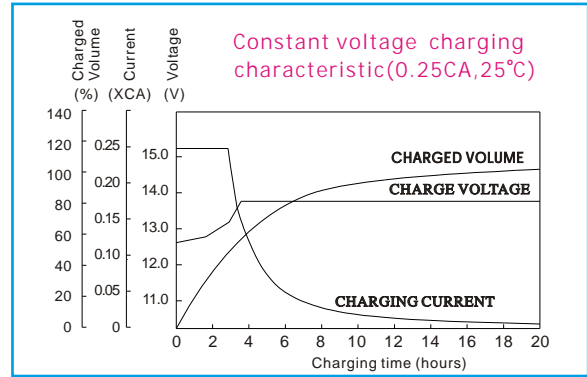
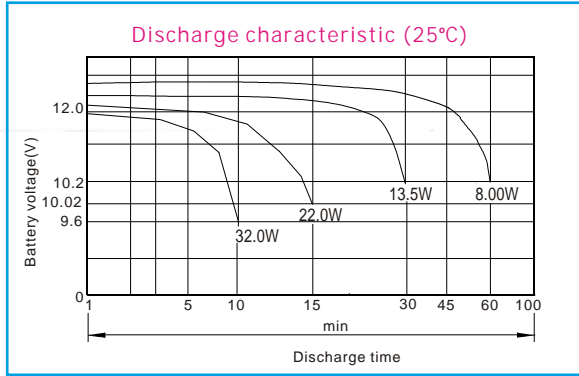
End Point Volts/cell	2 min	5 min	8 min	10 min	15 min	20 min	30 min	50 min	60 min
1.60	40.2	25.5	19.5	16.2	12.5	9.54	7.15	4.96	4.05
1.67	39.1	25.2	18.6	15.9	12.4	9.45	7.05	4.90	4.03
1.70	38.4	24.8	18.0	15.6	12.0	9.30	7.00	4.81	4.02
1.75	37.6	22.0	16.8	15.4	11.5	9.00	6.90	4.70	4.00
1.80	36.5	20.4	15.7	14.9	10.1	8.65	6.85	4.56	3.96

Constant Power Discharge(Watts per Cell at 25°C)

End Point Volts/cell	2 min	5 min	8 min	10 min	15 min	20 min	30 min	50 min	60 min
1.60	78.0	49.0	38.0	32.0	24.0	18.7	14.0	9.55	8.03
1.67	77.1	48.0	36.5	31.0	22.0	18.0	13.8	9.43	8.01
1.70	74.5	46.5	34.8	30.2	20.5	17.5	13.5	9.32	8.00
1.75	73.2	43.2	33.1	30.0	18.7	16.0	13.4	9.25	7.85
1.80	70.0	40.5	30.5	28.7	17.9	15.4	13.1	9.00	7.80

(Note) The above characteristics data are average values obtained within three charge/discharge cycles not the minimum values. All data shall be changed without prior notice, VISION reserves the right to explain and update the information contained hereinto.

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