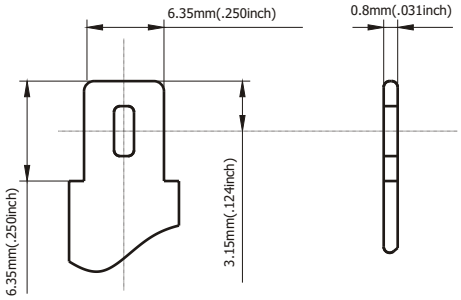
SLA BATTERY
HP12-7.2 *(12V-34W)*





Terminal Dimensions

HP Series

HP(High-Rate) Series of valve regulated lead acid (VRLA) batteries have been developed with high efficiency active mateials to stimulate inside the battery with higher power output when the battery is discharged to a extent level of discharging. Along with high-density structure design for relatively smaller Inner resistance which will significantly improve the performance for high rate discharging when high power output service is needed.

Application

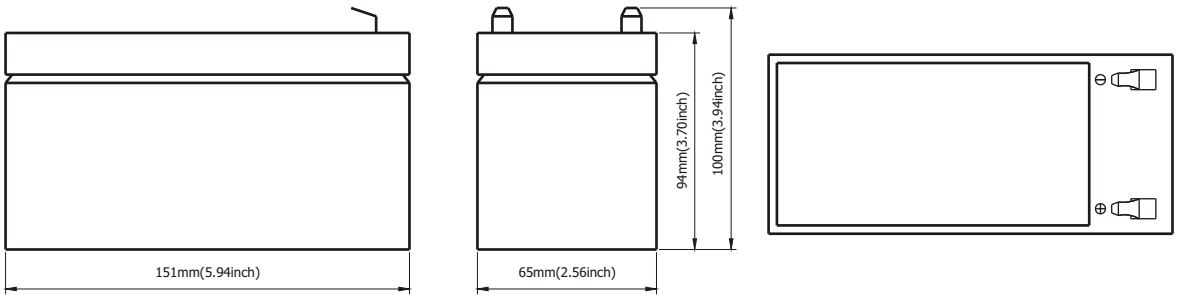
- Alarm System
- Cable Televison
- Communication Equipment
- Control Equipment
- Security System
- Medical Equipment
- Toys
- UPS
- Emergency Power System

General Features

- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.
- Flexibility design for multiple install positions.

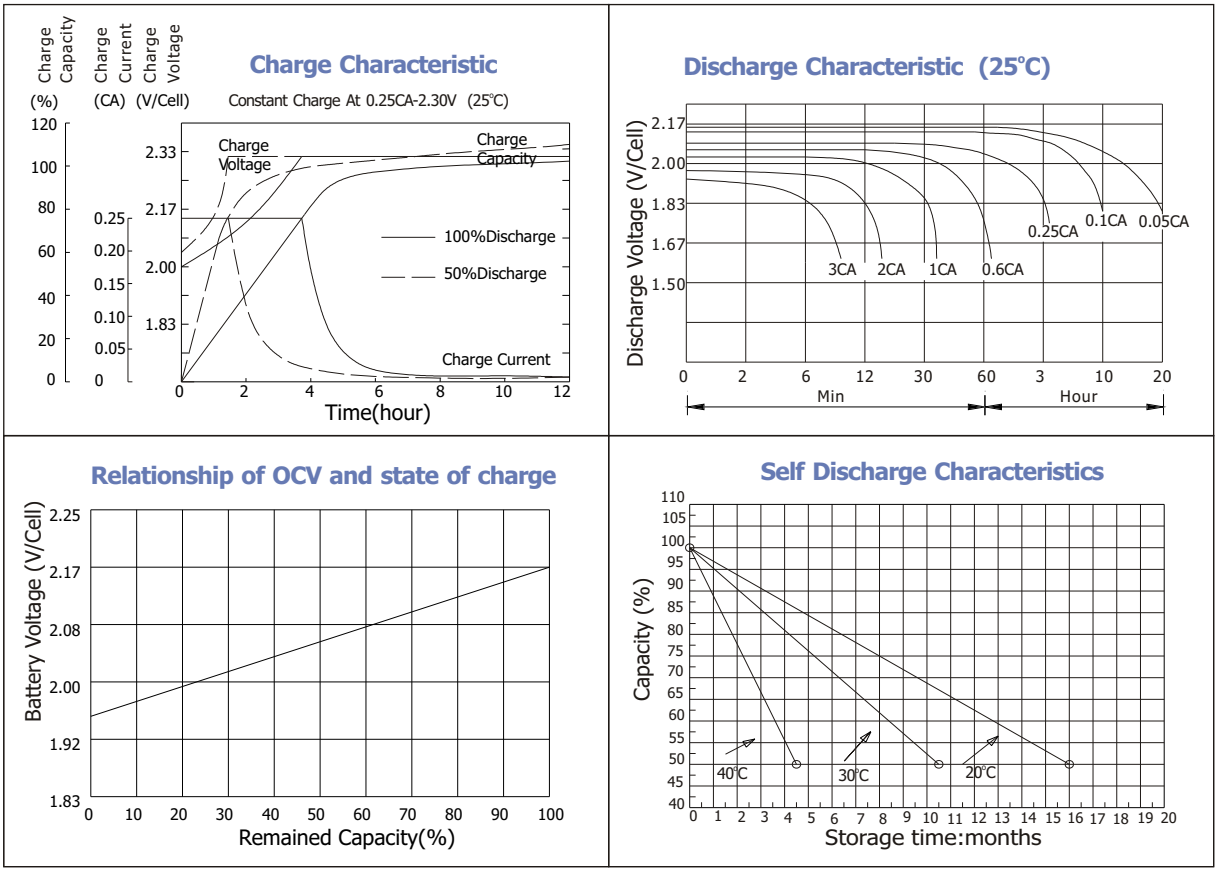
Construction

- Component .....Raw material
- Positive .....Lead dioxide
- Negative .....Lead
- Container .....ABS
- Cover .....ABS
- Sealant .....Epoxy Resin
- Safety valve ....EPDR
- Terminal .....Copper
- Separator .....Fibre glass
- Electrolyte .....Sulfuric acid



Battery Model	HP12-7.2 (34W/Cell to 1.67V, 15min)			
Designed Floating Life	5 Years			
Capacity(25℃)	20HR(0.35A,1.75VPC)	10HR(0.67A,1.75VPC)	5HR(1.43A,1.75VPC)	1HR(5.18A,1.75V)
	7Ah	6.7Ah	7.15AH	5.18AH
Dimensions	Length	Width	Height	Total Height
	151mm(5.94inch)	65mm(2.56inch)	94mm(3.70inch)	100mm(3.94inch)
Approx. Weight	2.58Kg (5.69 lbs)			
Internal Resistance	Full charged at 25℃: 0.025 Ω			
Self Discharge	3% of capacity declined per month at (25℃)			
Capacity Affected by Temp.(20HR)	40℃	25℃	0℃	-15℃
	102%	100%	85%	65%
Charge Voltage(25℃)	Cycle use		Float use	
	14.4-15V(-30mV/ ℃), max. Current: 2.4A		13.6-13.8V(-20mV/ ℃)	

SLA BATTERY
HP12-7.2 *(12V-34W)*



Constant current discharge ratings-amperes at 25℃ - (Valores medios después de 5 ciclos)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1H	3H	5H	10H	20H
1.60V	42.5	24.0	18.9	12.2	5.69	2.50	1.53	0.84	0.48
1.67V	39.9	22.6	18.1	11.6	5.61	2.40	1.49	0.83	0.47
1.70V	36.6	21.7	17.7	10.6	5.44	2.24	1.46	0.83	0.46
1.75V	35.9	20.9	17.1	10.1	5.18	2.17	1.43	0.83	0.45
1.80V	32.1	19.9	15.4	9.32	4.85	2.08	1.34	0.81	0.43
1.85V	28.3	19.0	13.7	8.58	4.52	2.01	1.26	0.80	0.42

Constant power discharge ratings-watts at 25℃ - (Valores medios después de 5 ciclos)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1H	3H	5H	10H	20H
1.60V	74.6	43.3	34.5	21.9	10.3	4.43	2.58	1.71	0.90
1.67V	72.0	42.5	34.0	21.5	10.2	4.29	2.57	1.70	0.86
1.70V	67.8	42.0	33.7	20.1	10.0	4.10	2.53	1.69	0.85
1.75V	64.8	41.9	33.4	19.5	9.83	4.00	2.51	1.65	0.83
1.80V	62.4	41.2	30.8	18.6	9.27	3.88	2.43	1.60	0.81
1.85V	56.6	38.9	27.8	17.4	8.71	3.77	2.36	1.56	0.78

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