SLA BATTERY
HP12-26
(12V-100W)

HP Series

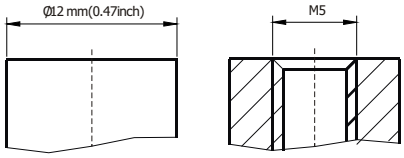
HP Series Valve Regulated Lead Acid batteries
are designed with AGM (Absorbent Glass Mat) technology,
high performance plates and electrolyte to gain extra
power output for common power backup system applications
Widely used in the field of UPS, Emergency Lighting System.

Application

- UPS
- Communication Equipment
- Security System
- Cable Television
- Control Equipment
- Medical Equipment
- Emergency Power System
- Power Plant

General Features

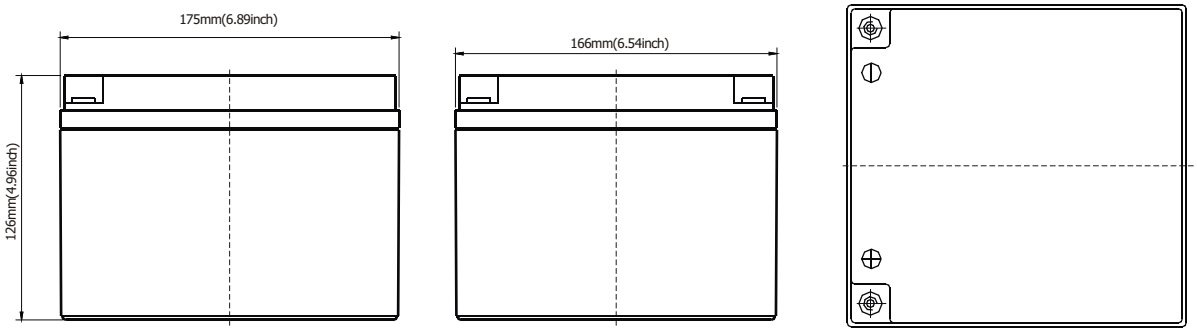
- Extra long life service design (up to 20 years) for 2V models.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- Higher safety & reliable construction.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.
- Flexibility design for multiple install positions.



Terminal Dimensions

Construction

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



Battery Model	HP12-26 (100W/cell to 1.67Vpc, 15min)			
Designed Floating Life	8 Years			
Capacity(25℃)	20HR(1.4A,1.75V)	10HR(2.7A,1.75V)	5HR(4.8A,1.75V)	1HR(16.8A,1.75V)
	28AH	27AH	24AH	16.8AH
Dimensions	Length	Width	Height	Total Height
	175mm(6.89inch)	166mm(6.54inch)	126mm(4.96inch)	126mm(4.96inch)
Approx. Weight	9.04Kg (19.93 lbs)			
Internal Resistance	Full charged at 25℃: 0.016 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: 6.5A		13.6-13.8V(-20mV/ ℃)	

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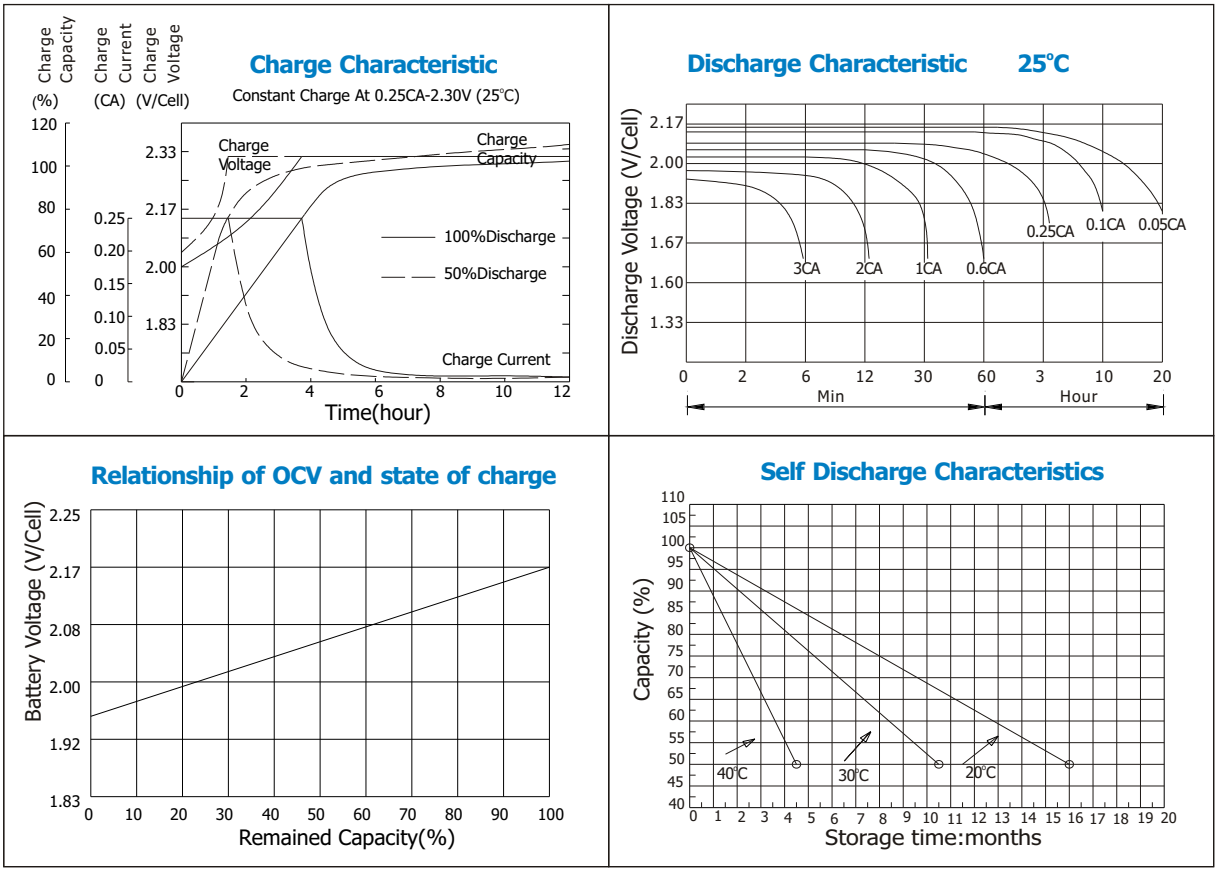

Constant current discharge ratings-amperes at 25℃ - (Valores medios después de 5 ciclos)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1H	3H	5H	10H	20H
1.60V	118	73.5	55.5	33.8	18.5	8.11	5.13	2.73	1.52
1.67V	111	69.7	53.4	32.4	18.3	7.79	5.02	2.72	1.46
1.70V	102	67.2	52.1	29.4	17.7	7.25	4.91	2.71	1.44
1.75V	99.6	65.1	50.4	27.9	16.8	7.00	4.80	2.70	1.40
1.80V	89.1	62.2	45.8	25.9	15.7	6.71	4.52	2.64	1.36
1.85V	78.7	59.2	41.2	23.8	14.6	6.56	4.23	2.60	1.33

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	207	133	101	60.9	33.3	14.0	8.66	5.64	3.02
1.67V	200	129	100	59.7	33.1	14.0	8.62	5.60	2.92
1.70V	188	128	99.2	55.9	32.5	13.3	8.51	5.57	2.88
1.75V	190	128	98.3	54.2	31.9	13.0	8.44	5.50	2.84
1.80V	173	126	91.2	51.7	30.0	12.6	8.17	5.42	2.80
1.85V	157	119	82.7	48.4	28.1	12.2	7.81	5.35	2.76

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