



### UPS Series

IBT'S UPS 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

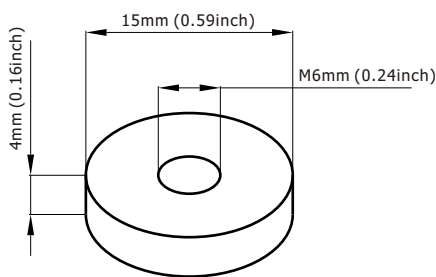
- UPS
- Communication Equipment
- Security System
- Cable Television
- Control Equipment
- Medical Equipment
- Emergency Power System
- Power Plant

### General Features

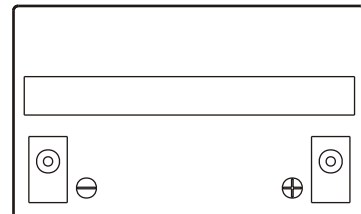
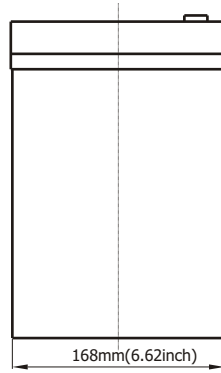
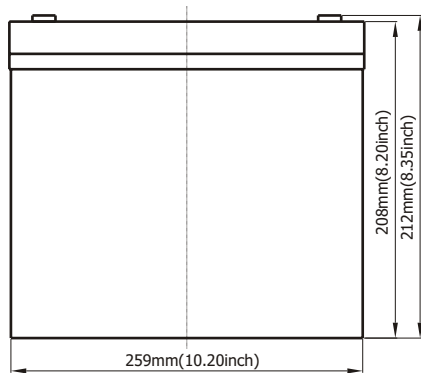
- Extra long life service design (up to 20 years) for 2V models.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- Higher safety & reliable construction.
- Exceptional deep discharge recovery performance.
- Low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

### Construction

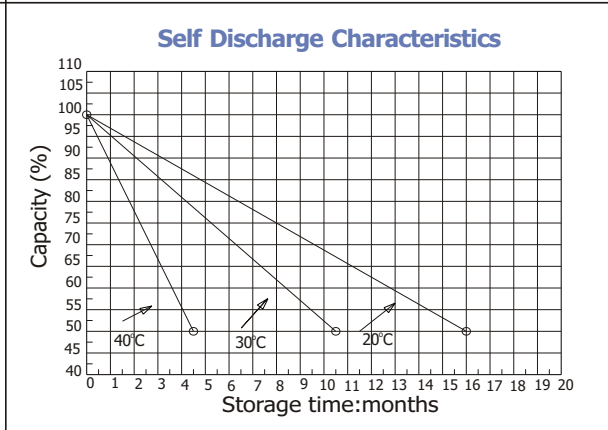
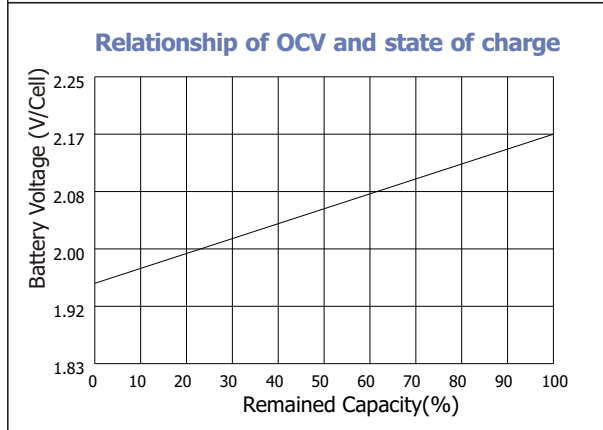
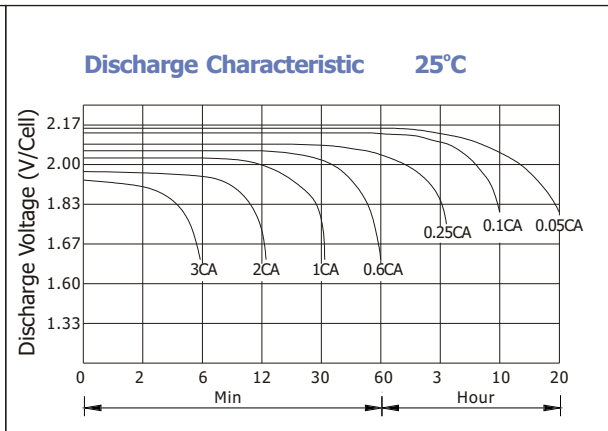
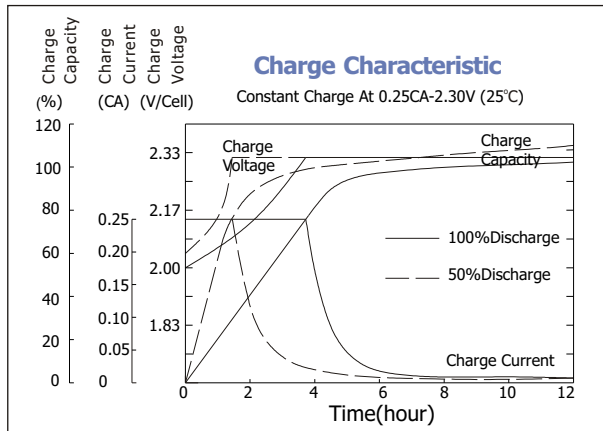
- Component .....Raw material
- Positive .....Lead dioxide
- Negative .....Lead
- Container .....ABS
- Cover .....ABS
- Sealant .....Epoxy Resin
- Safety valve .....EPDR
- Terminal .....Pb Alloy
- Separator .....Fiber glass
- Electrolyte .....Sulfuric acid



Terminal Dimensions



Battery Model	HP12-75 (285W/cell to 1.67V,15min)			
Designed Floating Life	8 Years			
Capacity(25°C)	20HR(4.25A,1.75V)	10HR(8A,1.75V)	5HR(14A,1.75V)	1HR(51A,1.75V)
	85AH	80AH	70AH	51AH
Dimensions	Length	Width	Height	Total Height
	259mm(10.20inch)	168mm(6.62inch)	208mm(8.20inch)	212mm(8.35inch)
Approx. Weight	25.37Kg (55.93 lbs)			
Internal Resistance	Full charged at 25°C: 0.0065 Ω			
Self Discharge	3% of capacity declined per month at (25°C)			
Capacity Affected by Temp.(20HR)	40°C	25°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage(25°C)	Cycle use		Float use	
	14.4-15V(-30mV/ °C), max. Current: 20A		13.6-13.8V(-20mV/ °C)	



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

F.V/Time	5MIN	10MIN	15MIN	30MIN	1H	3H	5H	10H	20H
1.60V	319	199	150	91.3	56.4	24.0	15.0	8.16	4.61
1.67V	299	188	144	87.4	55.6	23.7	14.7	8.07	4.44
1.70V	274	182	141	79.4	53.8	22.0	14.3	8.04	4.37
1.75V	269	176	136	75.4	51.0	21.2	14.0	8.00	4.25
1.80V	241	168	124	69.9	47.5	20.3	13.1	7.83	4.13
1.85V	212	160	111	64.3	44.0	19.5	12.2	7.71	4.01

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

F.V/Time	5MIN	10MIN	15MIN	30MIN	1H	3H	5H	10H	20H
1.60V	591	378	289	180	102	42.7	26.3	16.7	9.20
1.67V	570	369	285	176	101	41.3	26.2	16.6	8.85
1.70V	537	365	283	165	99	40.2	25.8	16.5	8.75
1.75V	540	364	280	160	97	39.2	25.6	16.3	8.52
1.80V	494	359	260	152	92	38.1	24.8	16.1	8.29
1.85V	448	340	236	143	86	37.0	24.0	15.8	7.95

