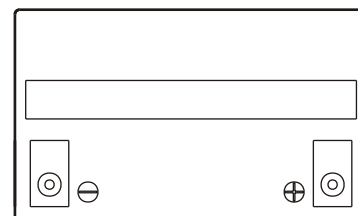
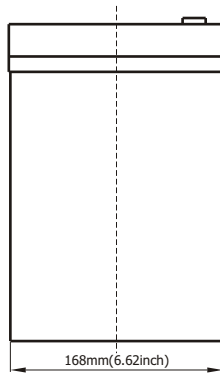
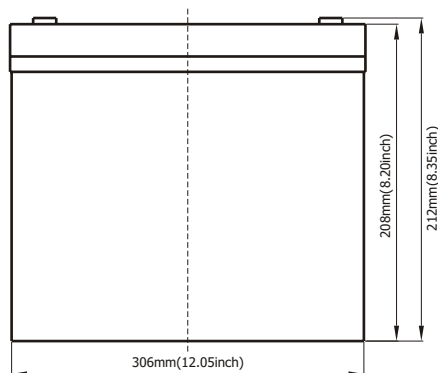


Terminal Dimensions



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

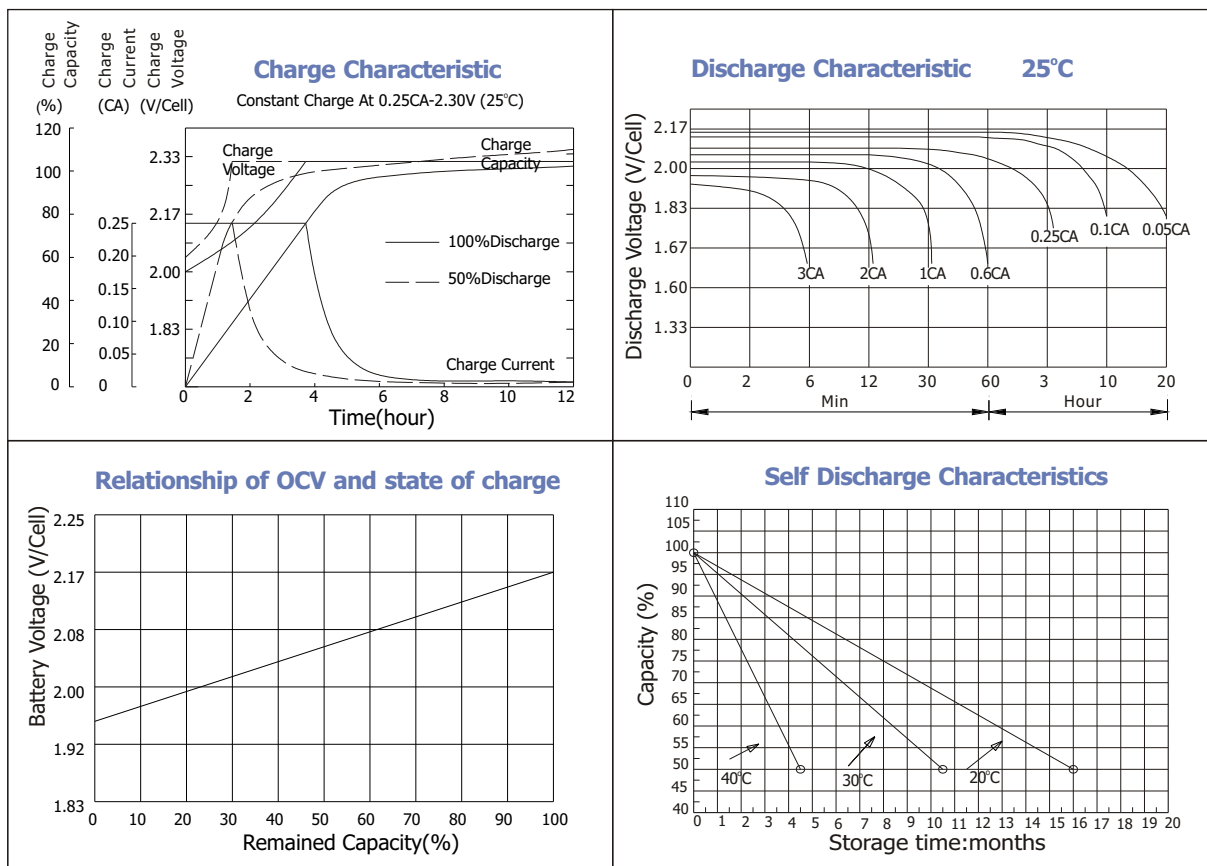
General Features

- 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

- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy Resin
- Safety valveEPDR
- TerminalPb Alloy
- SeparatorFiber glass
- ElectrolyteSulfuric acid

Battery Model	HP12-90 (337W/cell to 1.67V, 15min)			
Designed Floating Life	8 Years			
Capacity(25°C)	20HR(5A,1.75V)	10HR(9.5A,1.75V)	5HR(16.4A,1.75V)	1HR(60A,1.75V)
	100AH	95AH	82AH	60AH
Dimensions	Length	Width	Height	Total Height
	306mm(12.05inch)	168mm(6.62inch)	208mm(8.20inch)	212mm(8.35inch)
Approx. Weight	30.28Kg (66.76 lbs)			
Internal Resistance	Full charged at 25°C: 0.0055 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: 23A		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	366	228	172	105	66.3	29.1	17.6	9.67	5.42
1.67V	344	216	165	100	65.3	27.9	17.2	9.58	5.22
1.70V	315	208	162	91.2	63.2	25.9	16.8	9.54	5.14
1.75V	309	202	156	86.6	60.0	25.0	16.4	9.50	5.00
1.80V	276	193	142	80.2	55.9	23.9	15.3	9.31	4.86
1.85V	244	184	128	73.9	51.7	23.0	14.2	9.18	4.72

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	699	447	341	210	119	50.6	29.6	19.9	10.9
1.67V	674	436	337	206	118	48.9	29.5	19.7	10.5
1.70V	635	432	334	193	116	47.3	29.1	19.6	10.4
1.75V	639	430	331	187	114	46.1	28.8	19.4	10.1
1.80V	585	424	307	178	107	44.6	27.8	19.1	10.0
1.85V	530	402	279	167	100	13.2	26.8	18.9	9.6

