



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

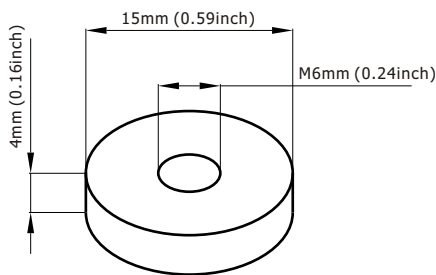
- UPS
- Communication Equipment
- Security System
- Cable Television
- Control Equipment
- Medical Equipment
- Emergency Power System
- Power Plant

General Features

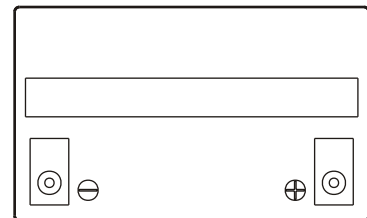
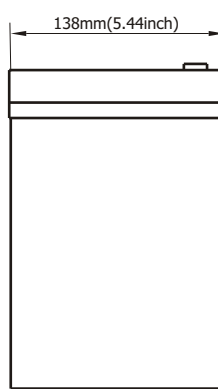
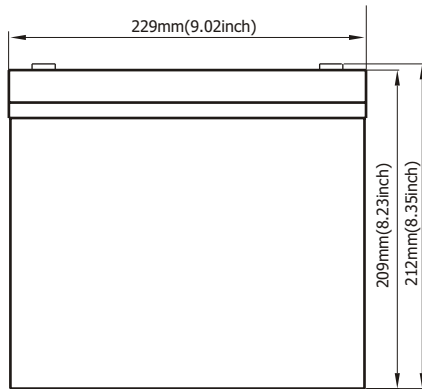
- Extra long life service design (up to 20 years) for 2V models.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- Higher safety & reliable construction.
- Exceptional deep discharge recovery performance.
- Low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

Construction

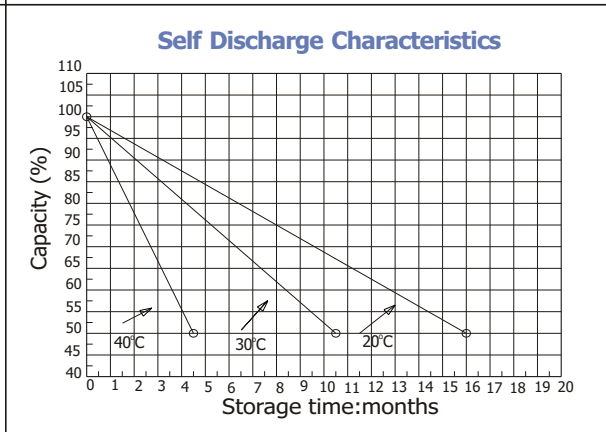
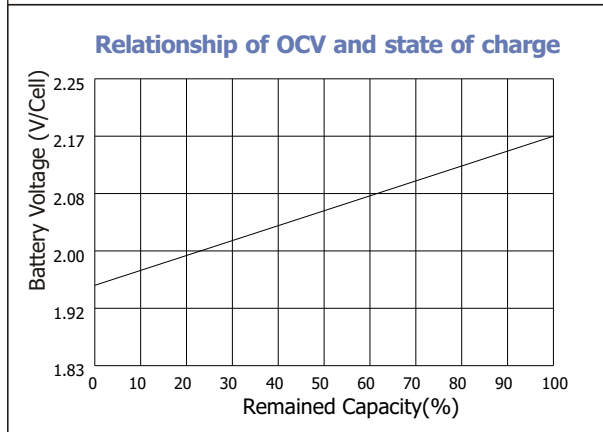
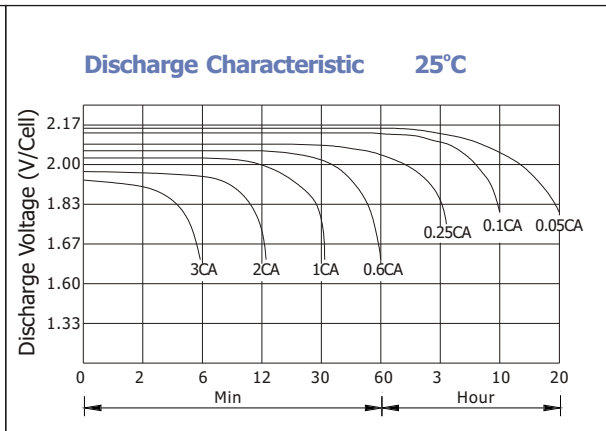
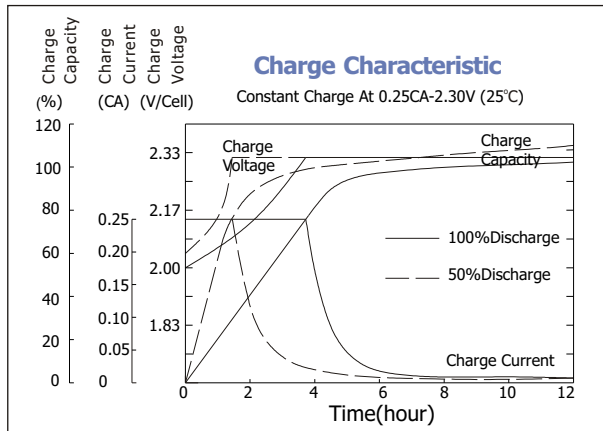
- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- ContainerABS
- CoverABS
- SealantEpoxy Resin
- Safety valveEPDR
- TerminalPb Alloy
- SeparatorFiber glass
- ElectrolyteSulfuric acid



Terminal Dimensions



Battery Model	HP12-55 (204W/cell to 1.67V, 15min)			
Designed Floating Life	8 Years			
Capacity(25°C)	20HR(2.9A,1.75V)	10HR(5.5A,1.75V)	5HR(9.8A,1.75V)	1HR(35A,1.75V)
	58AH	55AH	49AH	35AH
Dimensions	Length	Width	Height	Total Height
	229mm(9.02inch)	138mm(5.44inch)	209mm(8.23inch)	212mm(8.35inch)
Approx. Weight	18Kg (39.68 lbs)			
Internal Resistance	Full charged at 25°C: 0.0075 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: 13.7A		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	236	147	111	67.6	39.1	17.2	10.5	5.71	2.97
1.67V	222	139	107	64.7	38.6	16.5	10.3	5.66	2.95
1.70V	203	134	104	58.8	37.4	15.4	10.0	5.63	2.93
1.75V	199	130	101	55.9	35.6	14.9	9.83	5.61	2.90
1.80V	178	124	91.6	51.8	33.4	14.3	9.24	5.50	2.85
1.85V	157	118	82.4	47.6	31.1	13.8	8.65	5.43	2.81

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	415	266	207	124	70.5	30.4	17.7	11.7	6.16
1.67V	400	259	204	122	70.1	29.5	17.6	11.7	5.94
1.70V	377	256	202	114	68.8	28.2	17.4	11.6	5.87
1.75V	379	255	201	111	67.6	27.5	17.3	11.4	5.72
1.80V	347	252	186	105	63.7	26.7	16.7	11.3	5.67
1.85V	315	239	169	98.7	59.9	25.9	16.2	11.1	5.55

