

Terminal Dimensions

General Series

General 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

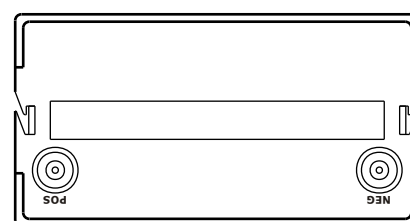
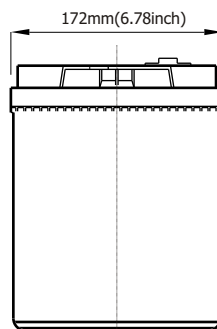
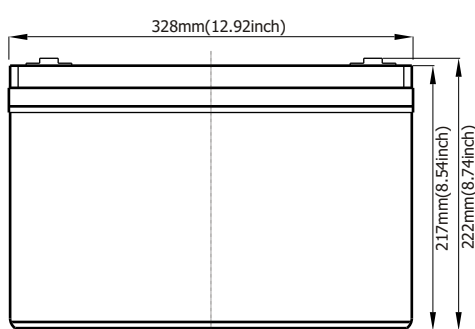
- Alarm System
- Cable Television
- Communication Equipment
- Control Equipment
- Security System
- Medical Equipment
- UPS
- Power tools
- Emergency Power System
- Toys

General Features

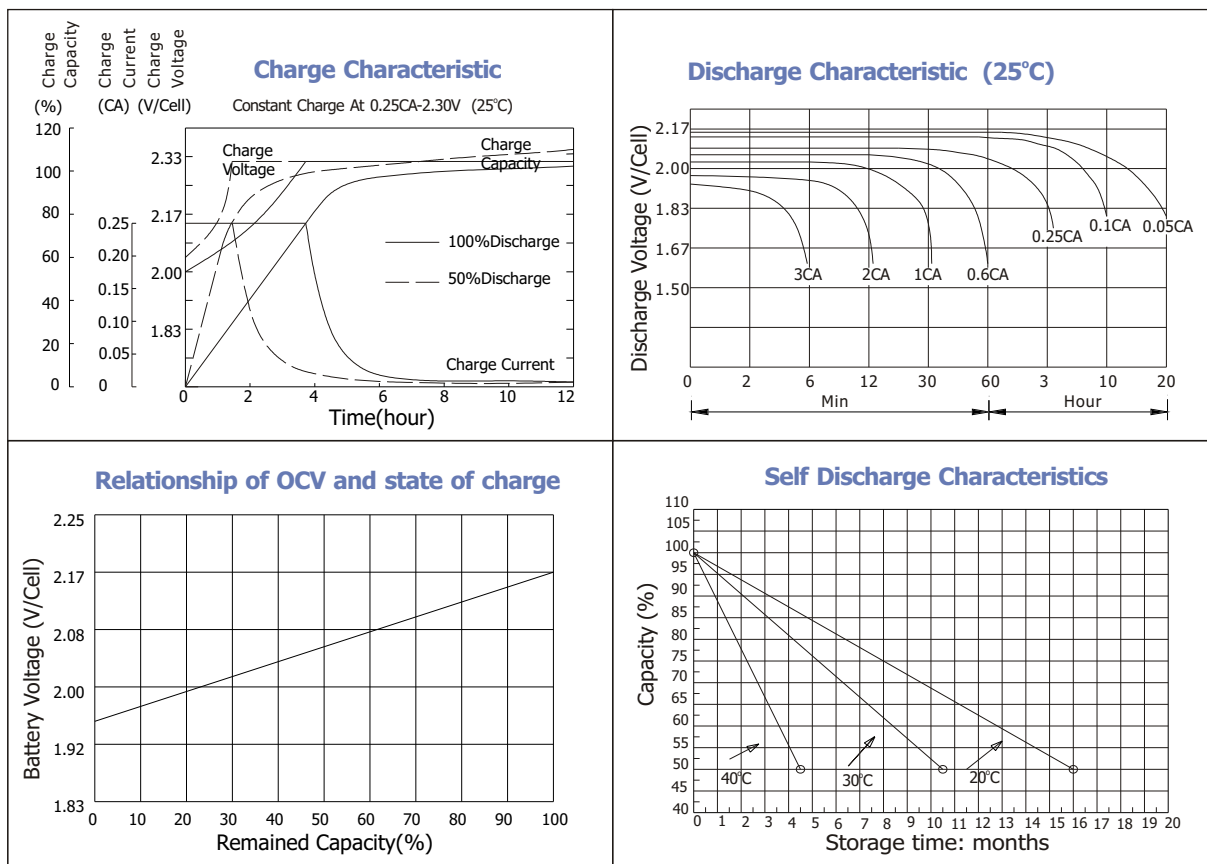
- Sealed and maintenance free operation.
- Non-Spillable construction design.
- ABS containers and covers(UL94HB, UL94V-0) optional.
- Safety valve installation for explosion proof.
- High quality and high reliability.
- Exceptional deep discharge recovery performance.
- Low self discharge characteristic.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

Construction

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



Battery Model	HC12-100			
Designed Floating Life	8 Years			
Capacity(25°C)	20HR(5.23A,1.75V)	10HR(10A,1.75V)	5HR(17.0A,1.75V)	1HR(62A,1.75V)
	104.6AH	100AH	85AH	62AH
Dimensions	Length	Width	Height	Total Height
	330mm(12.99inch)	173mm(6.81inch)	217mm(8.54inch)	222mm(8.74inch)
Approx. Weight	28.98Kg (63.89 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: 25A		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	335	236	181	110	66.5	26.1	17.5	10.3	5.34
1.67V	315	227	175	107.0	65.0	25.8	17.4	10.2	5.31
1.70V	292	216	169	104.0	63.5	25.3	17.2	10.1	5.29
1.75V	262	201	162	101.0	62.0	25.0	17.0	10.0	5.23
1.80V	237	183	151	97.0	60.5	24.3	16.6	9.8	5.04
1.85V	215	168	145	93.0	57.2	23.5	16.2	9.30	4.74

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	565	422	329	204	124	49.2	33.3	19.7	10.30
1.67V	540	410	323	201	123	49.1	33.2	19.7	10.30
1.70V	509	394	315	197	122	48.8	33.1	19.6	10.28
1.75V	467	372	304	192	118	48.2	32.9	19.4	10.25
1.80V	429	343	287	186	116	46.6	32.3	192.0	9.91
1.85V	404	323	281	181	112	46.5	32.1	18.8	9.57

