

SR Series

SR(General Models)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
- Communications Equipment
- Control Equipment
- Security System
- Medical Equipment
- UPS
- Power tools
- Emergency Power System
- Toys

Construction

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



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.

Performance Characteristics

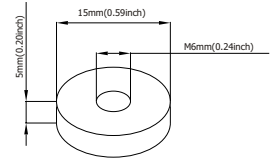
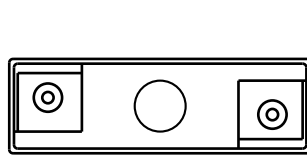
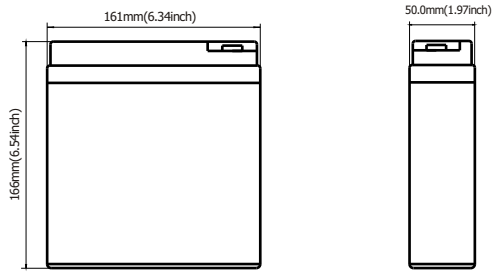
Battery Model	SR 2-50			
Designed Floating Life	8 Years			
Capacity(25°C)	20HR(2.55A,1.75V)	10HR(5A,1.75V)	5HR(8.5A,1.75V)	1HR(30A,1.75V)
	51AH	50AH	42.5AH	30AH
Dimensions	Length	Width	Height	Total Height
	161mm(6.34inch)	50mm(1.97inch)	166mm(6.54inch)	166mm(6.54inch)
Approx. Weight	3Kg (6.62 lbs)			
Internal Resistance	Full charged at 25°C: 0.0012 Ohm			
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	
	2.4-2.5V(-5mV/ °C), max. Current: 12.5A		2.27-2.3V(-3mV/ °C)	

Constant Current Discharge Ratings-Amperes at 77°F(25°C)

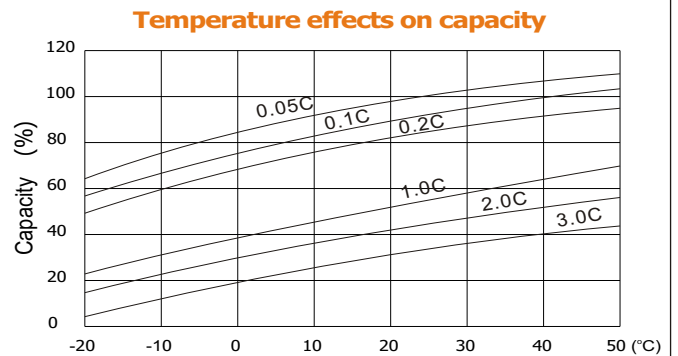
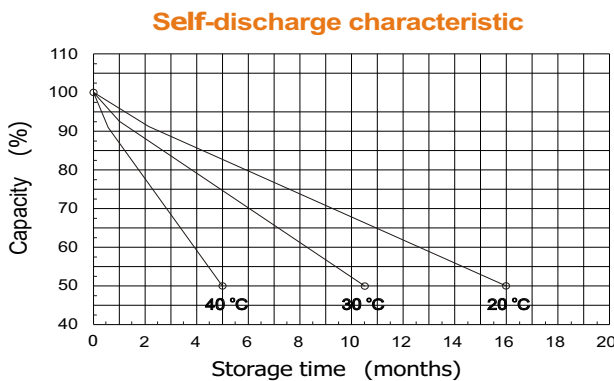
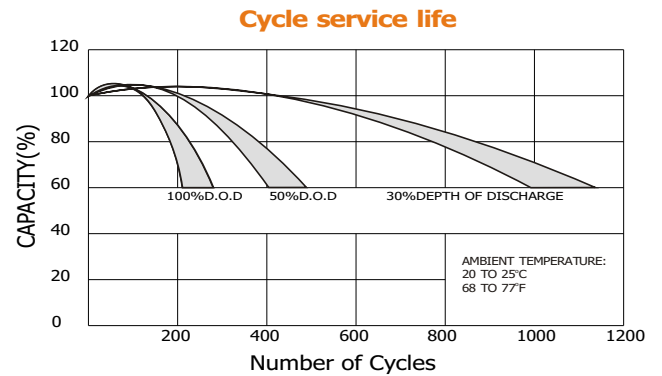
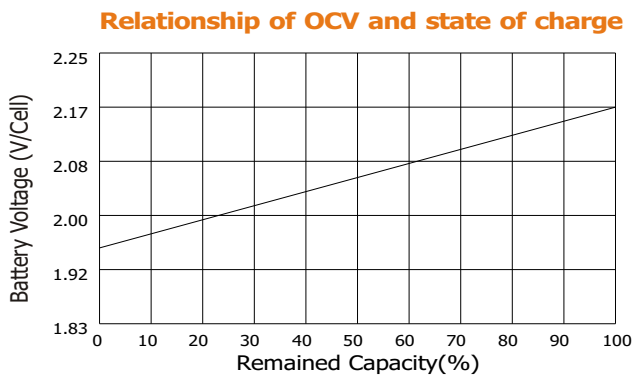
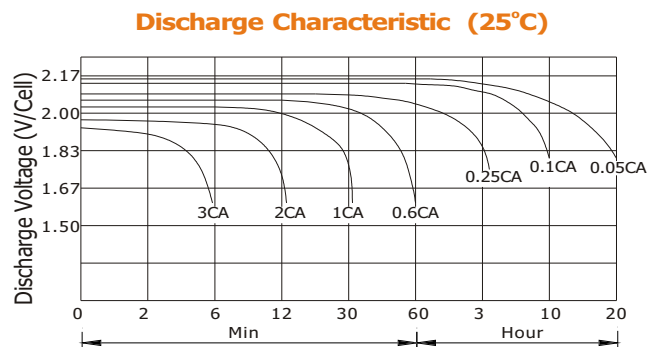
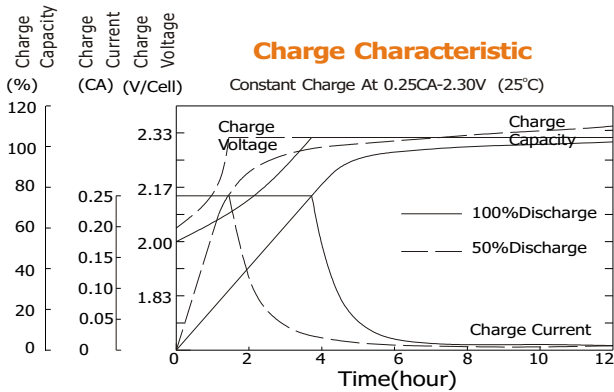
F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	195	122	92	56	35.5	15.6	9.5	5.33	2.81
1.67V	183	115	88	53	35.1	15.0	9.3	5.28	2.71
1.70V	168	111	86	49	34.0	14.0	9.1	5.26	2.67
1.75V	165	108	83	46	32.4	13.5	8.9	5.19	2.60
1.80V	147	103	76	43	30.3	13.0	8.4	5.12	2.53
1.85V	130	98	68	39	28.3	12.5	7.9	5.05	2.45

Constant Power Discharge Ratings-Watts at 77°F(25°C)

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	343	219	167	101	64.1	27.7	16.1	10.67	5.60
1.67V	331	214	165	99	63.7	26.8	16.0	10.60	5.40
1.70V	311	212	164	92	62.5	25.6	15.8	10.53	5.33
1.75V	313	211	163	90	61.5	25.0	15.7	10.40	5.20
1.80V	287	208	151	85	57.9	24.3	15.2	10.27	5.07
1.85V	260	197	137	80	54.5	23.5	14.7	10.13	4.87



Terminal Dimensions



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