

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

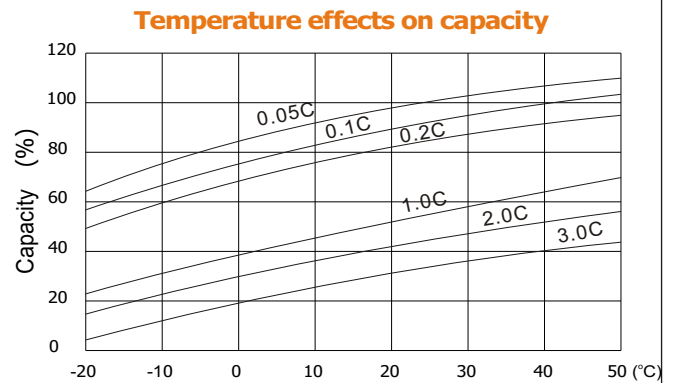
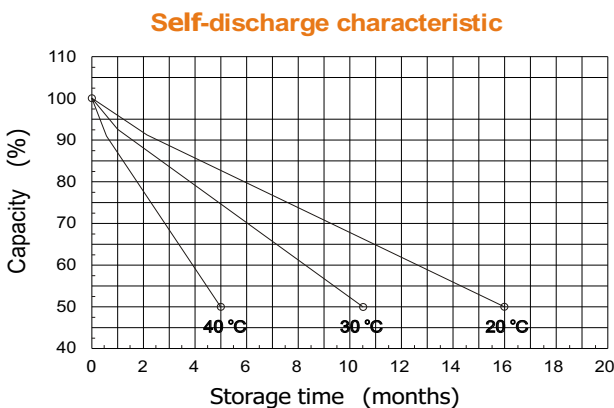
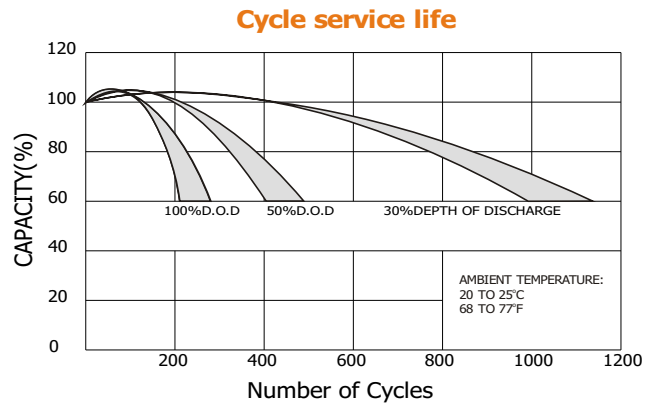
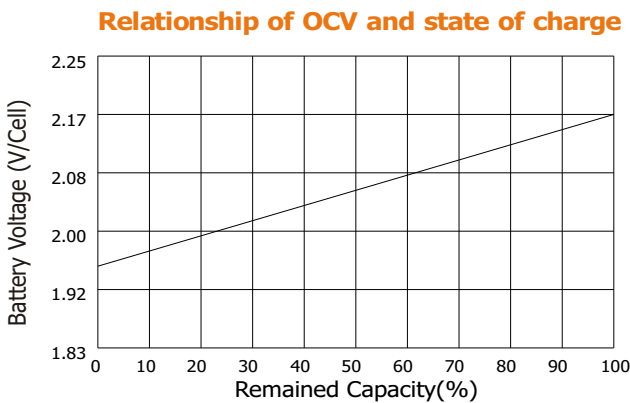
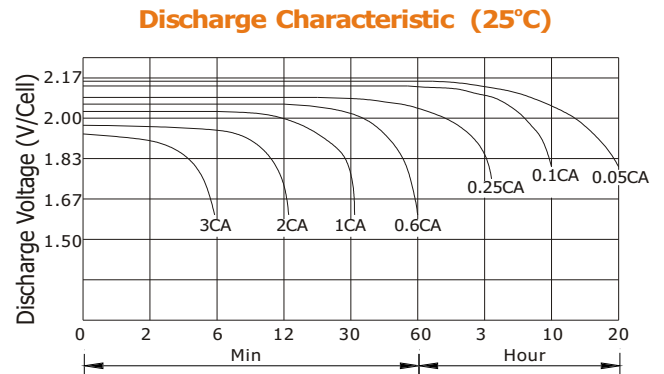
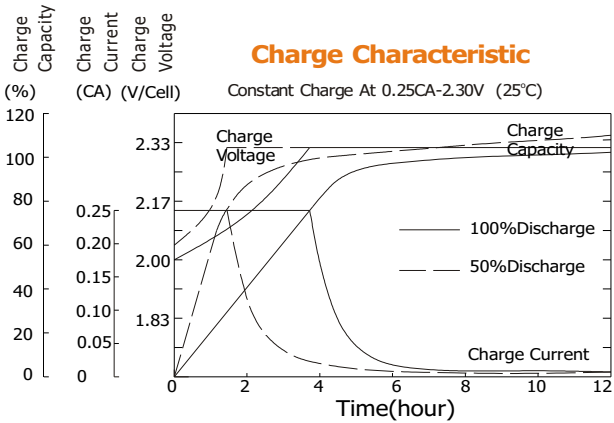
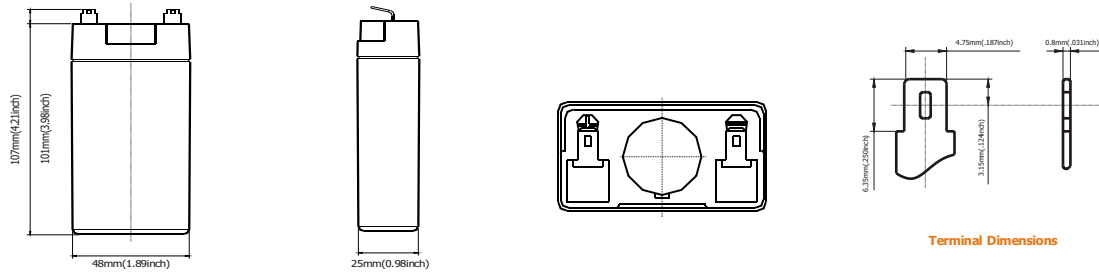
Battery Model	SR 2-6			
Designed Floating Life	5 Years			
Capacity(25°C)	20HR(0.30A,1.75V)	10HR(0.57A,1.75V)	5HR(1.04A,1.75V)	1HR(3.9A,1.75V)
	6AH	5.7AH	5.2AH	3.9AH
Dimensions	Length	Width	Height	Total Height
	50mm(1.97inch)	34mm(1.34inch)	100mm(3.94inch)	106mm(4.17inch)
Approx. Weight	0.41Kg (0.904 lbs)			
Internal Resistance	Full charged at 25°C: 0.007 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: 1.8A		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	27.0	16.8	12.7	7.73	4.91	2.16	1.32	0.74	0.39
1.67V	25.3	15.9	12.2	7.39	4.85	2.07	1.29	0.73	0.37
1.70V	23.2	15.4	11.9	6.72	4.70	1.94	1.26	0.73	0.37
1.75V	22.8	14.9	11.5	6.38	4.48	1.87	1.24	0.72	0.36
1.80V	20.4	14.2	10.5	5.91	4.19	1.80	1.16	0.71	0.35
1.85V	18.0	13.5	9.41	5.44	3.91	1.73	1.09	0.70	0.34

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

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	47.4	30.3	23.1	13.9	8.87	3.82	2.23	1.47	0.77
1.67V	45.7	29.6	22.8	13.6	8.81	3.71	2.22	1.47	0.75
1.70V	44.0	29.3	22.7	12.8	8.65	3.54	2.19	1.46	0.74
1.75V	43.3	29.2	22.5	12.4	8.50	3.46	2.17	1.44	0.72
1.80V	39.6	28.8	20.5	11.8	8.01	3.35	2.10	1.42	0.70
1.85V	35.9	27.3	18.9	11.1	7.53	3.25	2.04	1.40	0.67



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