

HIGH RATE SERIES VRLA BATTERY

The HR (High Rate) series is especially designed for high rate discharge applications. By using strong grids and specially designed active material, the HR series offers stable performance during high current discharge. It offers extremely high power output at 5~45 minutes backup time and 12 years+ design life. It is highly suited for high rate UPS/EPS systems and power switchgear applications.

12 V voltage **800W** 15min rate **AGM** Technology **12 years** design life



TECHNICAL SPECIFICATIONS

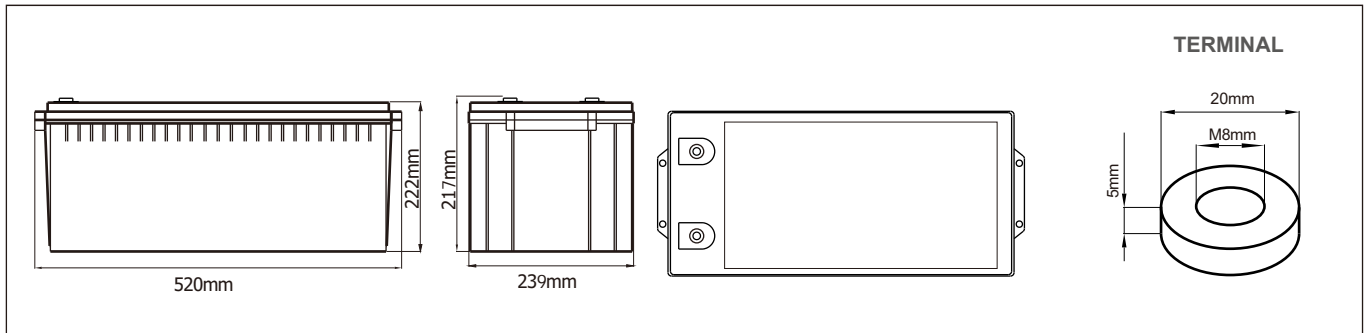
Nominal Voltage (V)	12 (6 cells per unit)
Designed Floating Life (20°C)	12 Years+
Power (15min, 1.67Vpc, 25°C)	800W
Nominal Capacity (25°C)	225Ah (C ₁₀ , 1.80Vpc)
Dimension (mm)	L520mm x W239mm x H222mm
Approx. Weight	69 kg
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.003 Ohm (fully charged @ 25°C)
Max. Charge Current	50A
Max. Discharge Current (5S)	1600 A
Short Circuit Current	4000 A
Self Discharge	Approx. 3% per month @ 20°C
Ambient Temperature	Discharge: -20~55°C Charge: -15~40°C Storage: -15~40°C
Float Charge Voltage	13.6V@25°C (-3mV/cell / °C)
Equalize Charge Voltage	14.1V
Container Material	ABS (UL94-V0 optional)



Complied standards

- IEC 60896-21/22
- GB/T19638
- JIS C8704
- BS6290 part 4
- UL1989

BATTERY DIMENSIONS

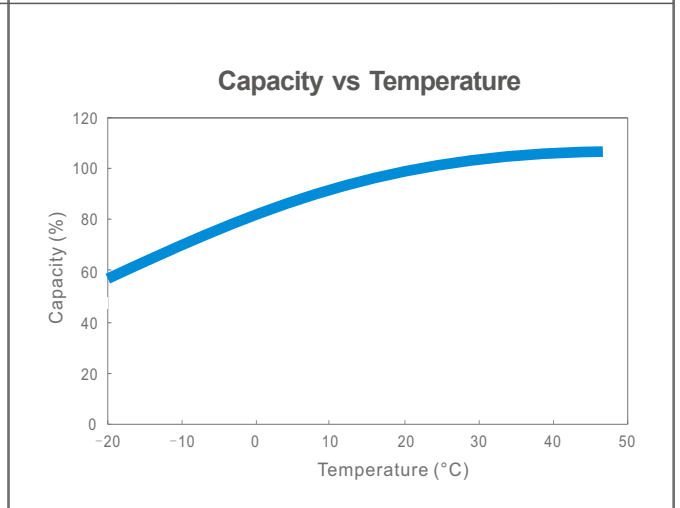
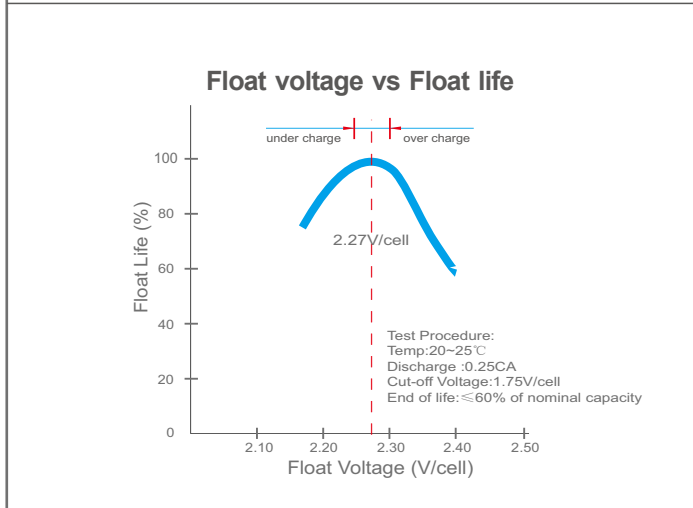
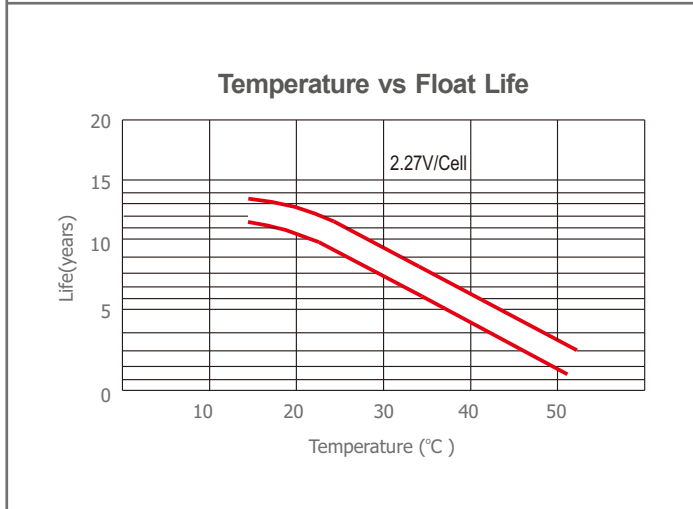
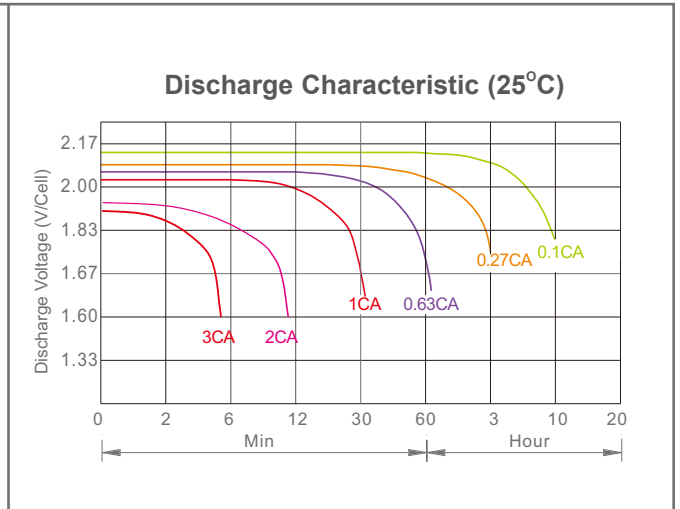
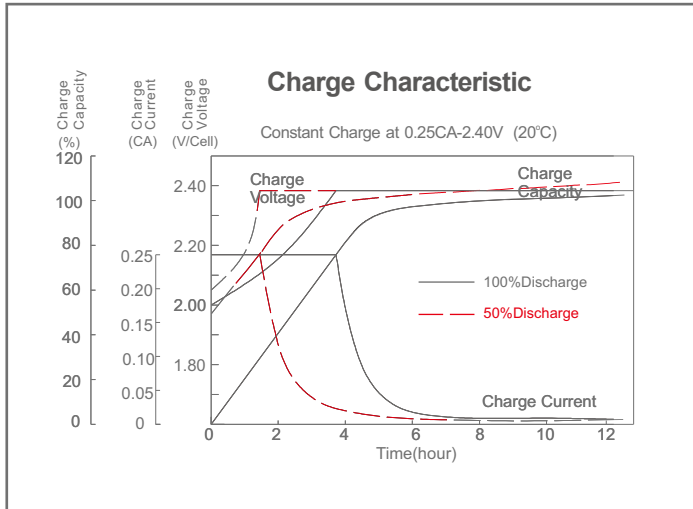


BATTERY DISCHARGE TABLE

Constant Power Discharge Characteristics @25°C: Watts/cell									
F.V/Time	5min	8min	10min	15min	20min	30min	45min	60min	90min
1.60V	1250	1135	1072	813	668	536	394	327	242
1.67V	1129	1047	997	800	638	522	385	322	236
1.70V	1043	998	946	754	618	510	372	312	231
1.75V	987	894	851	712	587	495	365	306	229

Constant Current Discharge Characteristics @25°C : Amps									
F.V/Time	15min	30min	1h	2h	3h	4h	5h	8h	10h
1.75V	396	269	158	90.7	65.0	50.8	41.9	27.3	22.8
1.80V	366	252	150	89.2	64.2	50.2	41.4	27.0	22.6
1.85V	340	235	143	87.0	63.0	49.3	40.6	26.5	22.2

CHARACTERISTICS



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