

5GVRLA

5GVRLA225 6V 225Ah

5GVRLA series battery uses AGM technology and high-purity raw materials. Its good floating back up and large current discharge performance makes it optimal and economical choice for UPS/EPS.

Benefits

- Standard Commercial according to EUROBAT Classification
- Maximum charge efficiency
- High gas recombination efficiency
- Low self-discharge rate
- Easy installation and handling

Applications

- UPS units
- Emergency power
- Starting generators
- EPS units

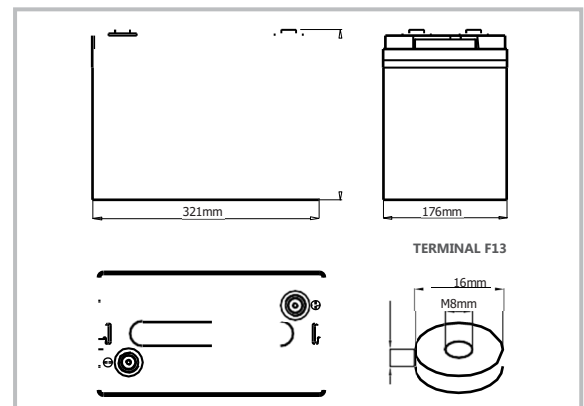
Standards

- IEC 60896-21/22
- UL1989
- JIS C8704
- GB/T19639

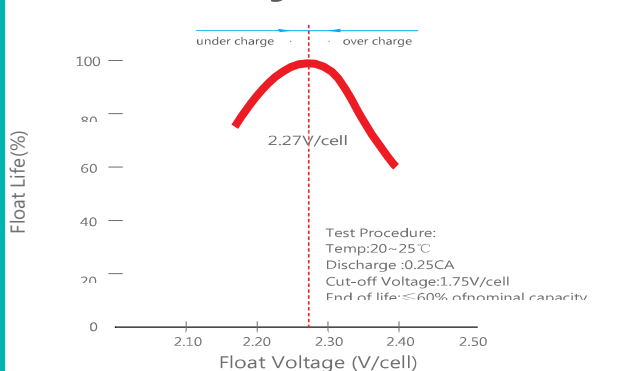
Specifications

Nominal Voltage (V)	6 (3 cells per unit)
Designed Floating Life (20°C)	12 Years
Nominal Capacity (20°C)	225 Ah @ 10HR-rate (to 1.80Vpc)
Dimension (mm)	L321mm x W176mm x H229mm
Approx. Weight	31.0 kg (68.3 lbs)
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 0.0029 Ohm (fully charged @ 20°C)
Max. Charge Current	67.5 A
Max. Discharge Current (5S)	1000 A
Short Circuit Current	2000 A
Self Discharge	Approx. 3% per month @ 20°C
Ambient Temperature	Discharge: -15~50°C Charge: -15~40° C Storage: -15~40°C
Float Charge Voltage (20~25°C)	6.8-6.9V (-3mV/ cell / °C)
Equalize and cycle Use Charge Voltage (20~25°C)	7.2-7.4V (-5mV/ cell / °C)
Container Material	ABS (UL94-V0 optional)

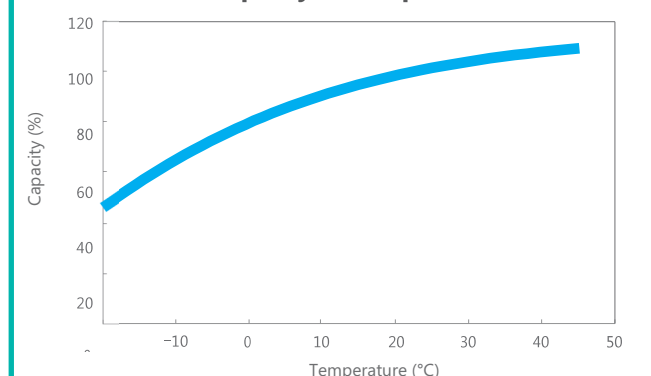
Drawing



Float voltage vs Float life



Capacity vs Temperature



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Discharge Data

Constant Current Discharge Characteristics: Amps (25°C)												
F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	642	478	399	248	134	88.3	63.8	50.8	42.3	28.9	23.9	12.8
1.67V	572	441	376	237	130	86.8	63.0	50.2	41.8	28.5	23.6	12.6
1.70V	511	400	355	228	127	85.6	62.3	49.7	41.4	28.2	23.3	12.3
1.75V	444	372	330	221	125	84.2	61.3	49.1	40.9	27.8	23.0	12.0
1.80V	393	338	308	211	121	82.4	60.1	47.9	39.9	27.1	22.5	11.8
1.85V	336	304	280	199	115	79.2	58.1	46.6	39.0	26.6	21.9	11.5

Constant Power Discharge Characteristics: W/cell (25°C)												
F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	1129	859	728	459	281	166	120	96.4	80.6	55.6	46.1	24.9
1.67V	1020	800	691	441	275	164	120	95.7	80.2	55.2	45.8	24.5
1.70V	922	735	659	428	270	163	119	95.4	80.0	54.9	45.5	24.2
1.75V	812	690	618	416	267	162	118	95.2	79.6	54.6	45.2	23.9
1.80V	727	635	582	402	261	160	117	93.8	78.4	53.7	44.7	23.6
1.85V	633	579	536	383	252	155	114	91.9	77.1	52.9	43.8	23.2

Performance Curve

