

STBLD SERIE BATTERIE - GEL

STBLD - 12 - 200- GEL (12V - 200 A)

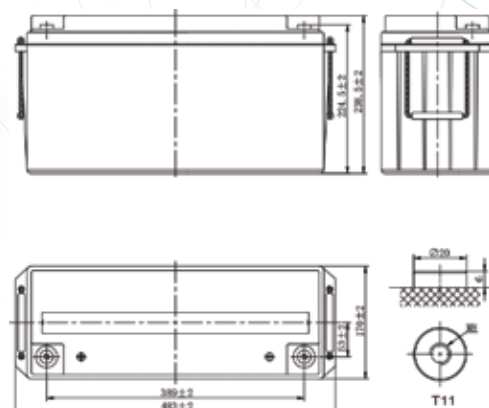


Specifications

Rated Voltage	12V	
Nominal Capacity	200Ah (C ₂₀ , 1.75V/cell)	
Dimension	Length	522±2mm (20.6 inches)
	Width	240±2mm (9.45 inches)
	Container Height	218±2mm (8.58 inches)
	Total Height	224±2mm (8.82 inches)
Approx Weight	60.9 Kg (134.3 lbs)	
Terminal	T11(M8)	
Container Material	ABS	
Rated Capacity (25°C)	215.0Ah	(100hr, 2.15A, 1.80V/cell)
	212.4Ah	(72hr, 2.95A, 1.80V/cell)
	200.0Ah	(20hr, 10.0A, 1.75V/cell)
	182.0Ah	(10hr, 18.2A, 1.80V/cell)
	120.2Ah	(1hr, 120.2A, 1.75V/cell)
Max. Discharge Current	1820A (5s)	
Internal Resistance (25°C)	Approx 3.2mΩ	
Operating Temp. Range	Discharge : -20 - 55°C (-4 - 131°F)	
	Charge : 0 - 40°C (32 - 104°F)	
	Storage : -20 - 50°C (-4 - 122°F)	
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Cycle Use	Initial Charging Current less than 50.0A. Voltage 14.1V-14.4V at 25°C(77°F)Temp. Coefficient -30mV/°C	
	Standby Use	
Effect of temp. to Capacity	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	STBLDseries batteries may be stored for up to 6 months at 25°C(77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	



Layout



Constant current Discharge (Amperes) at 25°C (77°)

F.V/Time	1h	2h	3h	4h	5h	6h	8h	10h	20h	48h	72h	100h
1.90V/cell	88.5	55.8	42.6	34.9	29.4	25.3	19.7	16.2	8.68	3.87	2.63	1.90
1.85V/cell	105.8	62.5	46.8	38.0	32.0	27.6	21.5	17.7	9.52	4.18	2.85	2.08
1.80V/cell	114.4	65.9	49.0	39.4	33.1	28.4	22.2	18.2	9.76	4.31	2.95	2.15
1.75V/cell	120.2	68.8	50.6	40.6	33.8	29.0	22.6	18.6	10.0	4.38	2.99	2.19

Constant current Discharge (Amperes) at 25°C (77°)

F.V/Time	1h	2h	3h	4h	5h	6h	8h	10h	20h	48h	72h	100h
1.90V/cell	173.3	110.0	84.7	69.5	59.0	50.8	39.5	32.4	17.3	7.74	5.25	3.80
1.85V/cell	205.1	122.1	92.1	75.1	63.7	54.8	42.8	35.3	19.0	8.37	5.71	4.18
1.80V/cell	219.6	127.7	96.0	75.5	65.5	56.3	44.1	36.2	19.5	8.60	5.89	4.30
1.75V/cell	230.0	132.8	98.8	79.5	66.6	57.3	44.7	36.8	19.9	8.76	5.98	4.38



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SENLECH

Solar Energy and Technologies

Applications

- Solar energy (wind energy) household system /communication / communication base station;
- Movable energy storage system;
- Solar traffic lights;
- Solar, wind and solar power generation;
- Emergency lighting system.

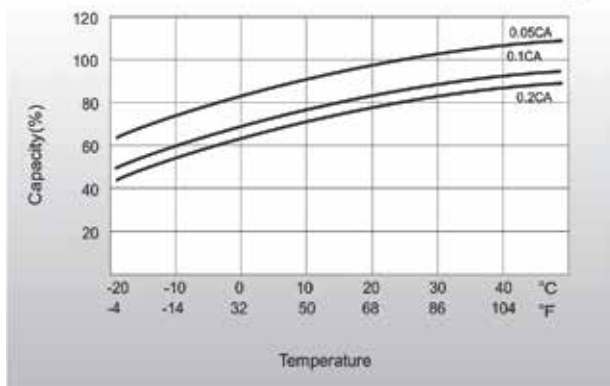
General features

- Adopted advantage AGM-GEL technology
- Operation temperature -20~55°C
- ≤3% Self discharge per month
- Fast recharge

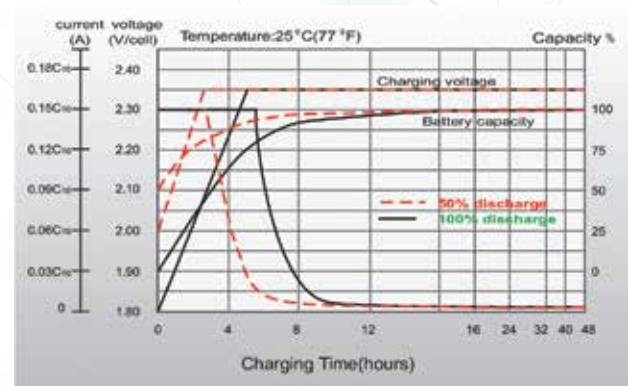
Standards

- IEC 60896 Certified
- Classified as "Long Life" according to Eurobat
- IATF16949, ISO 9001, 14001 and ISO 45001 certified production facilities

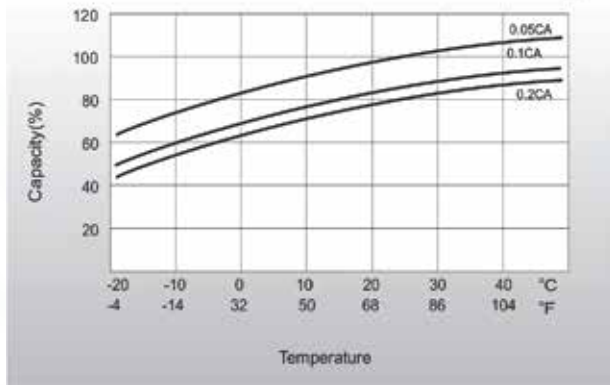
Temperature Effects in Rzlation to Battery capacity



Charging Charateristics



Cycle life in Relation to Depth of Discharge



Self Discharge Characteristics

