



Grid Power 2000-2HT M8V0 (2V2000Ah)

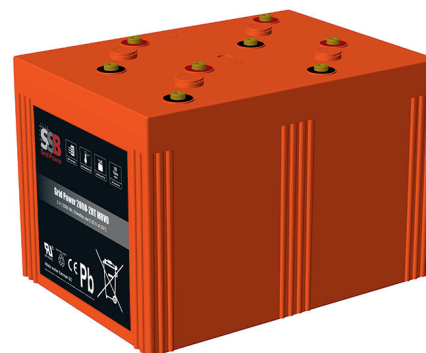
Applications

- Uninterruptible power supply (UPS)
- Telecommunication base station
- High temperature station without air-condition
- Station in the open air

Certificates



Conform to
IEC60896-21&22



Specifications

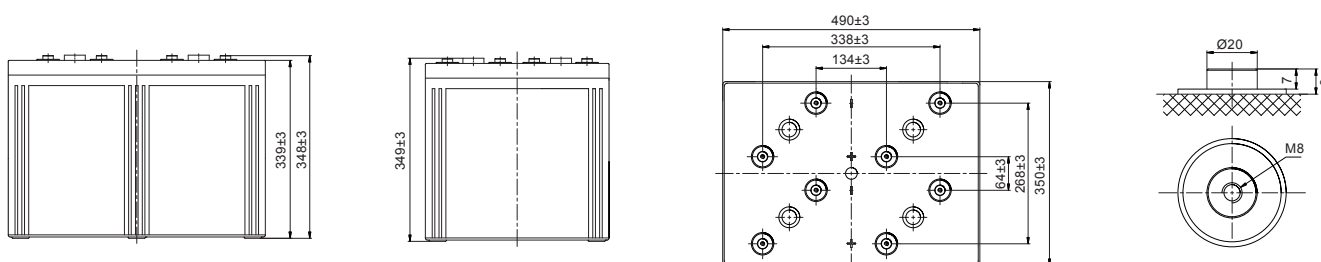
Nominal Voltage	2V
Nominal Capacity	2000Ah (C ₁₀ , 1.80V/cell)
Approx. Weight	121.0kg
Terminal	M8
Container Material	ABS UL94 V0
Rated Capacity (35°C)	2120.0Ah/106.0A, 20hr, 1.80V/cell 2000.0Ah/200.0A, 10hr, 1.80V/cell 1776.0Ah/355.2A, 5hr, 1.75V/cell 1590.0Ah/530.0A, 3hr, 1.75V/cell 1282.2Ah/1282.2A, 1hr, 1.60V/cell
Max. Discharge Current	1600A (5s)
Internal Resistance / Impedance (1kHz)	Approx. 0.2mΩ
Nominal Oper. Temp. R.	35 (+5/-15)°C

Operating Temp. Range	Discharge: -40~65°C Charge: -20~45°C Storage: -20~50°C
Standby Use	Initial Charging Current less than 500A. Voltage 2.25V at 35°C. Temperature Coefficient -3mV/°C.
Capacity affected by Temp.	40°C 103% 35°C 100% 0°C 86%
Self Discharge	SSB Grid Power batteries may be stored for up to 6 months at 25°C/3 months at 35°C and then a freshening charge is required. For higher temperatures the time interval will be shorter.
Life Expectancy	Classified as „Very Long Life“ according EUROBAT.

Dimensions

■ M8 Terminal

Unit: mm | Dimensions: 490 Length X 350 Width X 339 Height (349 Height incl. Terminal)



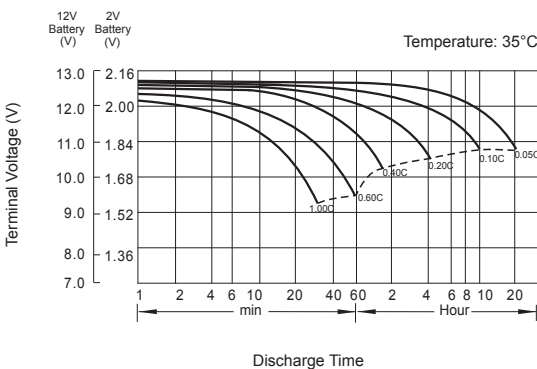
Constant Current Discharge (Amperes) at 35°C

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	2333.4	1980.0	1807.2	1626.0	1368.0	1120.0	942.0	624.0	481.2	388.5	327.6	285.7	228.0	191.2	101.2
1.80V/cell	2840.1	2316.0	2059.4	1830.0	1508.0	1216.0	1021.2	666.0	505.3	405.0	341.2	296.0	237.5	200.0	106.0
1.75V/cell	3319.4	2664.0	2329.9	2052.0	1652.0	1325.3	1115.1	704.0	530.0	425.0	355.2	307.0	244.0	204.0	108.1
1.70V/cell	3798.7	2988.0	2575.2	2232.0	1776.0	1405.3	1179.9	739.0	553.3	440.0	365.8	316.7	251.3	209.0	110.8
1.67V/cell	4078.2	3216.0	2776.0	2400.0	1880.0	1466.7	1230.0	768.0	571.0	452.5	375.8	324.0	254.5	212.4	112.6
1.60V/cell	4440.0	3444.0	2944.0	2520.0	1964.0	1530.7	1282.2	797.0	584.4	462.5	383.7	330.0	259.0	214.4	113.4

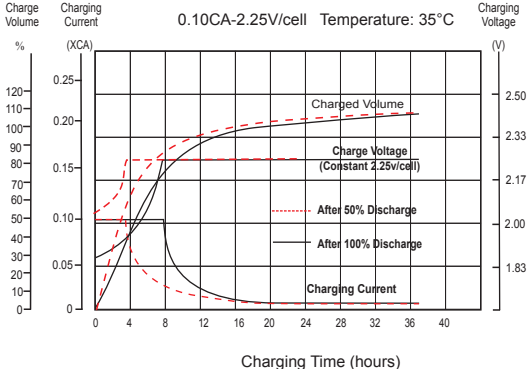
Constant Power Discharge (Watts/cell) at 35°C

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	4357.9	3725.0	3421.7	3092.7	2614.4	2153.4	1822.1	1213.7	940.5	762.0	645.4	564.5	452.4	380.3	201.5
1.80V/cell	5217.2	4293.9	3849.1	3444.1	2858.7	2322.6	1964.2	1289.2	982.8	791.7	669.2	582.5	469.9	397.2	210.7
1.75V/cell	5991.4	4860.5	4293.1	3817.7	3107.9	2516.5	2135.5	1357.4	1028.2	827.9	694.3	602.3	481.6	404.6	214.7
1.70V/cell	6742.6	5375.4	4696.6	4117.1	3313.1	2649.9	2247.6	1418.9	1069.4	853.6	712.9	620.4	495.5	414.3	219.8
1.67V/cell	7108.4	5699.4	4999.6	4379.5	3481.0	2750.0	2329.7	1468.3	1098.7	874.9	729.8	632.8	500.6	420.3	223.1
1.60V/cell	7579.1	5984.0	5214.4	4546.1	3600.0	2843.2	2411.8	1514.3	1118.7	890.3	742.1	642.5	508.4	423.6	224.4

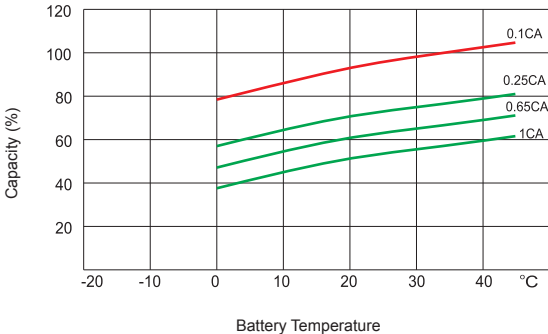
Discharge Characteristics



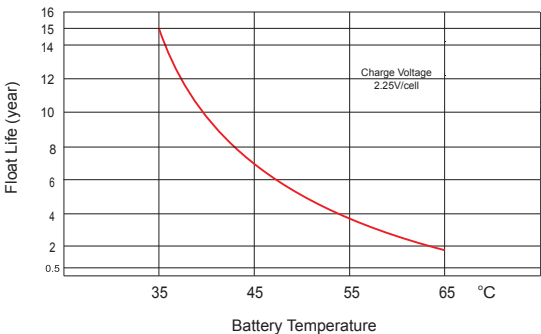
Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



Cycle Service Life in Relation to Depth of Discharge

