Grid Power 3000-2HT M8V0 (2V3000Ah)

Applications

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

Certificates

MH46465

Conform to IEC60896-21&22

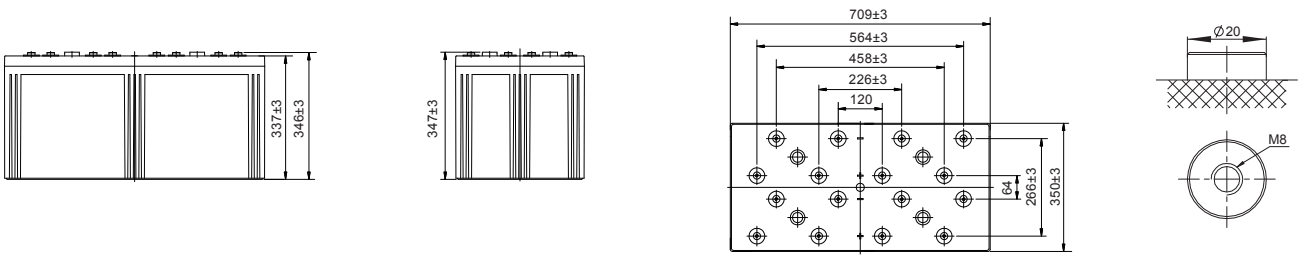
Specifications

Nominal Voltage	2V
Nominal Capacity	3000Ah (C_{10},1.80V/cell)
Approx. Weight	183.0kg
Terminal	M8
Container Material	ABS UL94 V0
Rated Capacity (35°C)	3180.0Ah/159.0A, 20hr, 1.80V/cell
	3000.0Ah/300.0A, 10hr, 1.80V/cell
	2664.0Ah/532.8A, 5hr, 1.75V/cell
	2385.0Ah/795.0A, 3hr, 1.75V/cell
	1923.3Ah/1923.3A, 1hr, 1.60V/cell
Max. Discharge Current	24.000A (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 750A. 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: 709 Length X 350 Width X 337 Height (347 Height incl. Terminal)



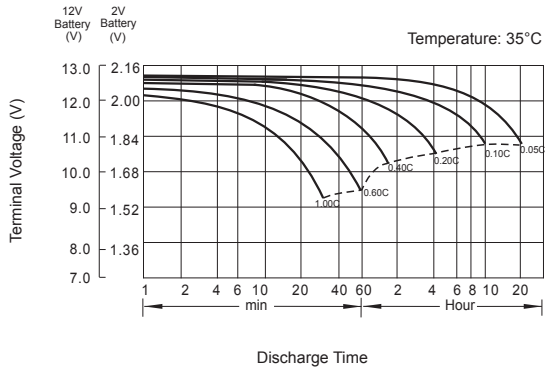
Constant Current Discharge (Amperes) at 35°C

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	3500.2	2970.0	2710.8	2439.0	2052.0	1680.0	1413.0	936.0	721.9	582.8	491.4	428.5	342.0	286.8	151.8
1.80V/cell	4260.1	3474.0	3089.2	2745.0	2262.0	1824.0	1531.8	999.0	757.9	607.5	511.8	444.0	356.3	300.0	159.0
1.75V/cell	4979.0	3996.0	3494.9	3078.0	2478.0	1988.0	1672.7	1056.0	795.0	637.5	532.8	460.5	366.0	306.0	162.2
1.70V/cell	5698.0	4482.0	3862.8	3348.0	2664.0	2108.0	1769.8	1108.5	830.0	660.0	548.7	475.0	376.9	313.5	166.2
1.67V/cell	6117.4	4824.0	4164.0	3600.0	2820.0	2200.0	1845.0	1152.0	856.5	678.8	563.7	486.0	381.8	318.6	168.9
1.60V/cell	6660.0	5166.0	4416.0	3780.0	2946.0	2296.0	1923.3	1195.5	876.6	693.8	575.5	495.0	388.5	321.6	170.1

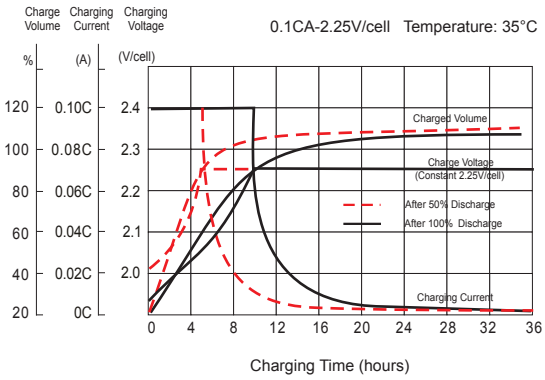
Constant Power Discharge (Watts/cell) at 35°C

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	6536.9	5587.5	5132.6	4639.0	3921.6	3230.1	2733.2	1820.6	1410.7	1142.9	968.1	846.7	678.7	570.4	302.3
1.80V/cell	7825.8	6440.8	5773.6	5166.1	4288.1	3483.8	2946.3	1933.9	1474.2	1187.5	1003.8	873.8	704.8	595.8	316.1
1.75V/cell	8987.2	7290.7	6439.7	5726.6	4661.9	3774.8	3203.3	2036.1	1542.3	1241.9	1041.4	903.5	722.4	607.0	322.0
1.70V/cell	10113.9	8063.1	7044.9	6175.7	4969.7	3974.8	3371.3	2128.3	1604.1	1280.4	1069.3	930.5	743.2	621.4	329.7
1.67V/cell	10662.6	8549.1	7499.4	6569.3	5221.5	4125.0	3494.6	2202.5	1648.0	1312.4	1094.7	949.2	750.9	630.5	334.7
1.60V/cell	11368.6	8975.9	7821.6	6819.1	5400.0	4264.8	3617.7	2271.5	1678.0	1335.5	1113.2	963.8	762.6	635.4	336.6

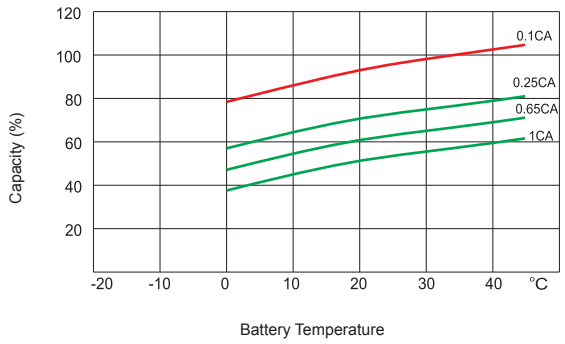
Discharge Characteristics



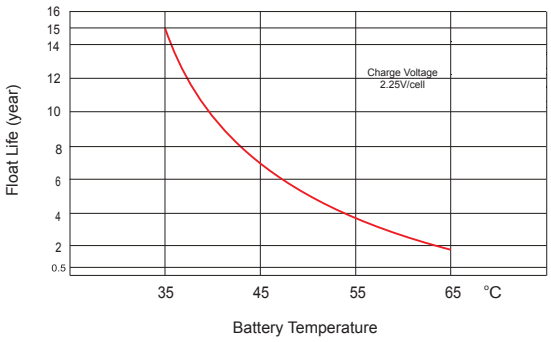
Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



Cycle Service Life in Relation to Depth of Discharge