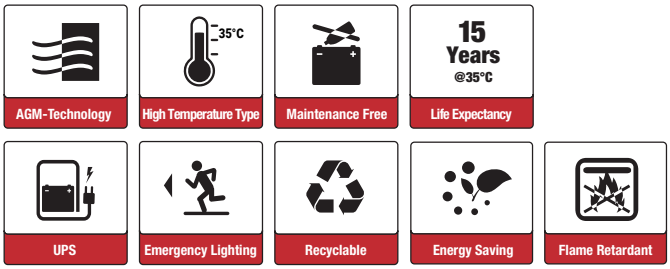
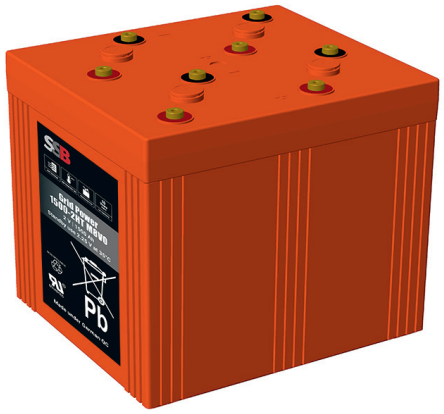
Grid Power 1500-2HT M8V0 (2V1500Ah)



Applications

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



Certificates

MH46465 · ISO 9001

Conform to IEC60896-21&22

Specifications

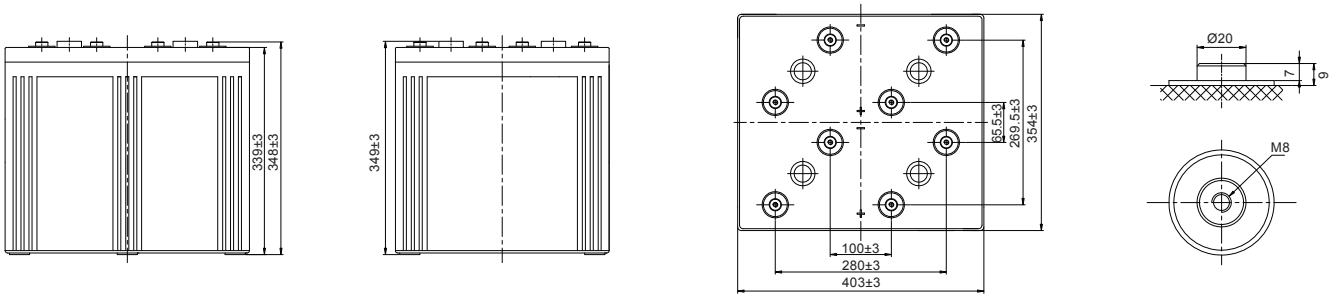
Nominal Voltage	2V
Nominal Capacity	1500Ah (C_{10},1.80V/cell)
Approx. Weight	97.8kg
Terminal	M8
Container Material	ABS UL94 V0
Rated Capacity (35°C)	1590.0Ah/79.5A, 20hr, 1.80V/cell
	1500.0Ah/150.0A, 10hr, 1.80V/cell
	1332.0Ah/266.4A, 5hr, 1.75V/cell
	1192.5Ah/397.5A, 3hr, 1.75V/cell
	961.7Ah/961.7A, 1hr, 1.60V/cell
Max. Discharge Current	1200A (5s)
Internal Resistance / Impedance (1kHz)	Approx. 0.3mΩ
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 250A.	
	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: 403 Length X 354 Width X 339 Height (349 Height incl. Terminal)



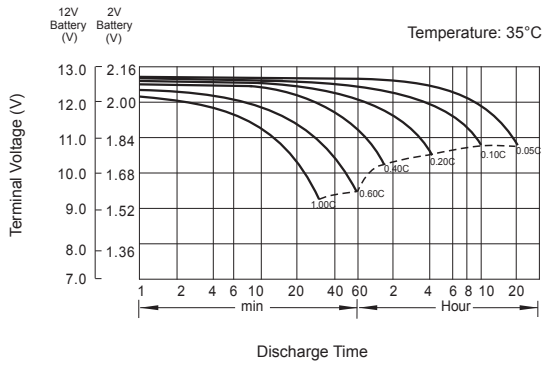
Constant Current Discharge (Amperes) at 35°C

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	1750.1	1485.0	1355.4	1219.5	1026.0	840.0	706.5	468.0	360.9	291.4	245.7	214.3	171.0	143.4	75.9
1.80V/cell	2130.0	1737.0	1544.6	1372.5	1131.0	912.0	765.9	499.5	379.0	303.8	255.9	222.0	178.1	150.0	79.5
1.75V/cell	2489.5	1998.0	1747.4	1539.0	1239.0	994.0	836.4	528.0	397.5	318.8	266.4	230.3	183.0	153.0	81.1
1.70V/cell	2849.0	2241.0	1931.4	1674.0	1332.0	1054.0	884.9	554.3	415.0	330.0	274.3	237.5	188.4	156.8	83.1
1.67V/cell	3058.7	2412.0	2082.0	1800.0	1410.0	1100.0	922.5	576.0	428.2	339.4	281.9	243.0	190.9	159.3	84.4
1.60V/cell	3330.0	2583.0	2208.0	1890.0	1473.0	1148.0	961.7	597.8	438.3	346.9	287.7	247.5	194.3	160.8	85.1

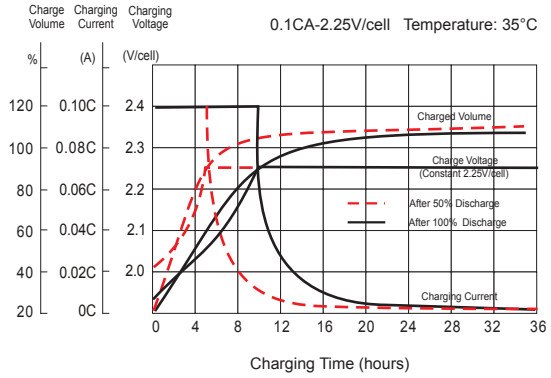
Constant Power Discharge (Watts/cell) at 35°C

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	3268.4	2793.7	2566.3	2319.5	1960.8	1615.1	1366.6	910.3	705.4	571.5	484.0	423.4	339.3	285.2	151.2
1.80V/cell	3912.9	3220.4	2886.8	2583.0	2144.0	1741.9	1473.2	966.9	737.1	593.7	501.9	436.9	352.4	297.9	158.0
1.75V/cell	4493.6	3645.4	3219.8	2863.3	2330.9	1887.4	1601.6	1018.0	771.2	620.9	520.7	451.8	361.2	303.5	161.0
1.70V/cell	5057.0	4031.6	3522.5	3087.9	2484.8	1987.4	1685.7	1064.2	802.1	640.2	534.6	465.3	371.6	310.7	164.9
1.67V/cell	5331.3	4274.5	3749.7	3284.6	2610.8	2062.5	1747.3	1101.3	824.0	656.2	547.4	474.6	375.5	315.3	167.3
1.60V/cell	5684.3	4488.0	3910.8	3409.6	2700.0	2132.4	1808.9	1135.7	839.0	667.7	556.6	481.9	381.3	317.7	168.3

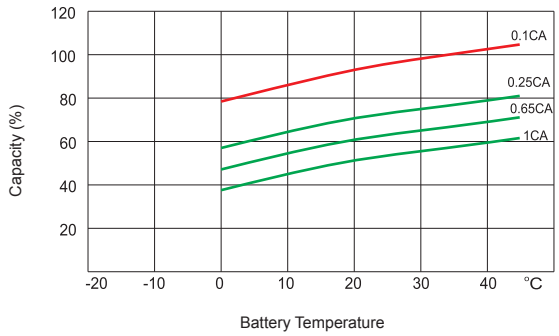
Discharge Characteristics



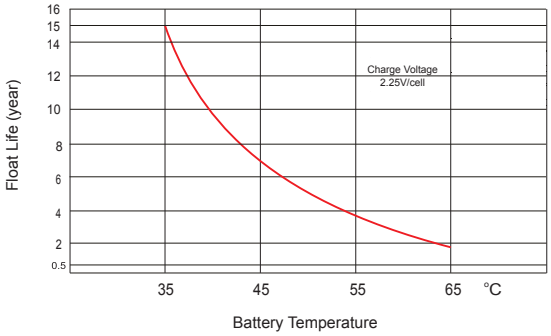
Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



Cycle Service Life in Relation to Depth of Discharge