



20 Years	TPPL	5 Years	-35 °C ~ +65 °C
Design Life	Technology	Warranty*	Temperature
High Rate Type	UPS	Emergency Lighting	Recyclable

Pure Lead Power

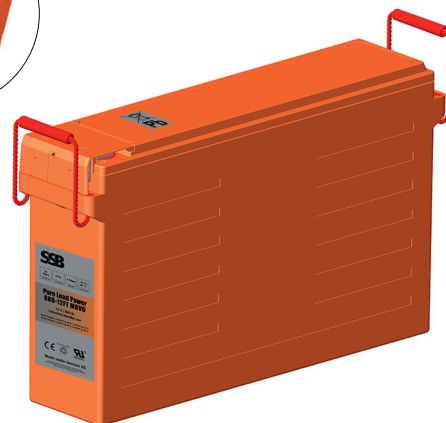
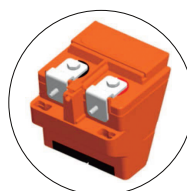
880-12FT M8V0 (12V880W)

Item Nr.: SSB2037910

Applications (for industrial standby use)

- Uninterruptable Power Supply (UPS)
- Electric Power System (EPS)
- Emergency backup power supply
- Emergency light
- Railway signal
- Communication power supply
- DC power supply

Certificates



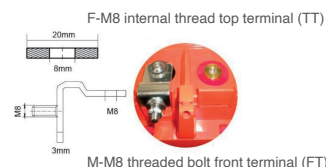
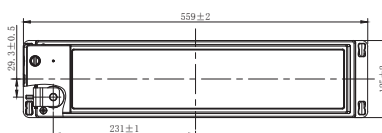
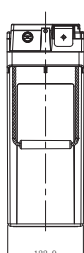
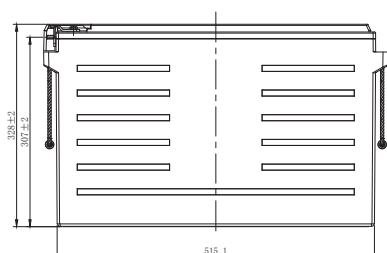
Specifications

Nominal Voltage	12V	Float Charge	2.285V/cell @ 20°C, 2.270V/cell @ 25°C Temperature coefficient: -3mV/cell/°C
Open-circuit voltage	12.96V (fully charged)	Boost Charge	2.395V/cell @ 20°C, 2.375V/cell @ 25°C Temperature coefficient: -4mV/cell/°C
Nominal Rate	883.4W/cell (W ₁₅ , 1.60V/cell)	Charging Current	0.1-0.3C
Nominal Capacity	229Ah (C ₁₀ , 1.80V/cell)	Self Discharge	SSB Battery PLP batteries may be stored for up to 24 months at 20°C (self-discharge per month ≤0.5%). For higher temperatures the time interval will be shorter. Batteries need to be given a freshening charge when the OCV is <12.72 V/block or when the maximum storage time is reached, whichever occurs first.
Approx. Weight	60.5kg	Life Expectancy	>12 years according to EUROBAT (Very Long Life) 20 years Design Life
Terminal	FT (M-M8)/TT (F-M8)		
Container Material	ABS UL94 V0		
Max. Discharge Current	2520A (5 s) 841.2A (30s)		
Short-circuit Current	4200A		
Internal Resistance / Impedance (1kHz)	Approx. 2.9mΩ (±10 %)		
Nominal Oper. Temp. R.	20±2°C		
Operating Temp. Range	Discharge: -35°~65°C Charge: -20~45°C Storage: 5~30°C		

Dimensions

■ Unit: mm | Dimensions: 559 Length X 125 Width X 328 Height (328 Height incl. Terminal)

■ TT(F-M8)/FT(M-M8)



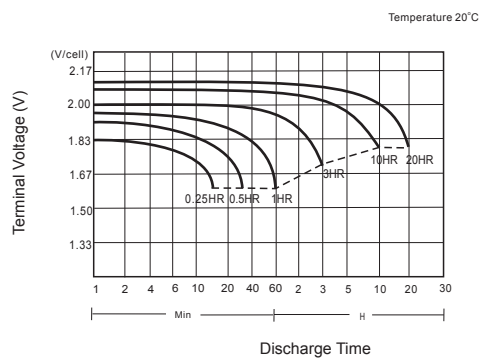
Constant Current Discharge (Amperes) at 20°C

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	432.6	389.3	328.2	283.8	227.2	180.3	144.1	87.6	63.9	47.9	39.8	27.0	22.1	11.5
1.80V/cell	483.2	435.7	363.3	313.7	244.8	191.8	152.2	90.8	66.3	49.5	41.2	28.0	22.9	11.9
1.75V/cell	539.3	470.1	389.6	334.6	256.3	201.5	159.4	92.8	67.6	51.0	42.2	28.6	23.2	12.1
1.70V/cell	581.7	504.0	412.0	349.2	266.0	210.2	164.7	95.2	69.1	52.0	42.9	28.8	23.5	12.2
1.67V/cell	627.4	537.2	431.0	363.2	270.6	216.9	166.6	97.0	69.9	52.3	43.5	28.9	23.7	12.3
1.60V/cell	663.0	563.7	448.8	372.8	282.9	223.2	170.5	98.6	70.4	52.7	43.9	29.0	23.8	12.3

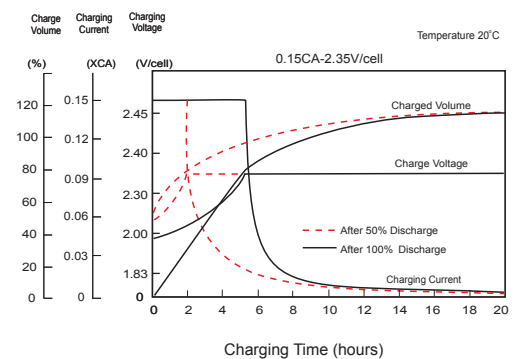
Constant Power Discharge (Watts/cell) at 20°C

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	869.7	782.7	660.0	570.6	460.6	368.4	295.3	180.9	132.2	99.3	83.0	55.6	46.2	22.7
1.80V/cell	962.0	867.5	723.4	624.7	492.0	386.5	308.1	185.2	135.5	100.9	84.7	57.3	46.7	23.5
1.75V/cell	1054.3	919.2	761.8	654.3	505.4	400.8	318.9	186.8	136.4	103.5	85.1	58.2	47.0	23.9
1.70V/cell	1153.2	999.1	816.6	692.3	526.3	415.4	325.9	189.6	138.3	103.9	85.9	58.3	47.1	24.1
1.67V/cell	1244.0	1065.0	849.0	715.5	532.8	426.8	327.9	192.3	139.0	104.6	87.0	58.3	47.3	24.3
1.60V/cell	1310.2	1114.1	883.4	736.7	559.1	441.1	336.9	194.8	139.0	104.7	87.1	58.5	47.5	24.3

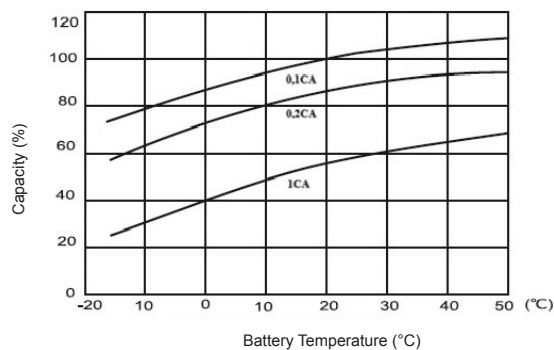
Discharge Characteristics



Charging Characteristics



Effect of Temperature on Capacity



Float Life Characteristics

