

Pure Lead Power 750-12 M8V0 (12V750W)

Item Nr.: SSB2037958

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

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



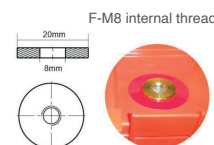
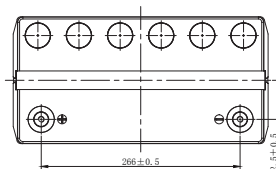
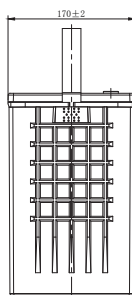
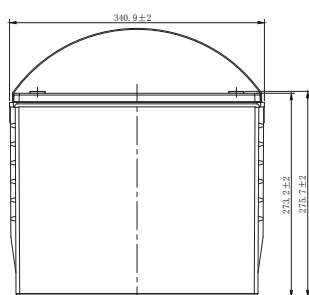
Specifications

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	745.1W/cell (W ₁₅ , 1.60V/cell)	Charging Current	0.1-0.3C
Nominal Capacity	162Ah (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	44.8kg	Life Expectancy	>12 years according to EUROBAT (Very Long Life) 15 years Design Life
Terminal	F-M8		
Container Material	ABS UL94 V0		
Max. Discharge Current	1800A (5s) 779.2A (30s)		
Short-circuit Current	3300A		
Internal Resistance / Impedance (1kHz)	Approx. 3.2mΩ (±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: 340.9 Length X 170 Width X 273.2 Height (275.7 Height incl. Terminal)

■ TT(F-M8)



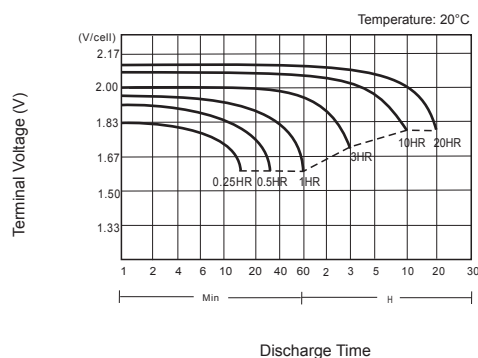
Constant Current Discharge (Amperes) at 20°C

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	393.1	311.7	269.7	236.1	173.2	126.7	101.7	58.4	41.8	33.5	28.5	19.1	15.9	8.3
1.80V/cell	452.7	356.8	300.6	257.9	185.1	133.2	105.8	61.1	43.6	34.9	29.8	19.7	16.2	8.4
1.75V/cell	494.9	390.6	325.6	275.3	197.0	136.9	108.9	62.9	44.7	35.9	30.5	19.9	16.4	8.5
1.70V/cell	533.1	422.5	346.5	289.5	204.6	141.9	113.1	63.7	45.6	36.4	30.9	20.2	16.6	8.6
1.67V/cell	595.1	465.0	365.4	300.8	212.8	147.4	115.6	64.9	46.1	36.9	31.2	20.4	16.7	8.7
1.60V/cell	660.5	505.0	384.9	313.4	217.0	149.7	117.5	65.9	46.7	37.4	31.5	20.6	16.8	8.7

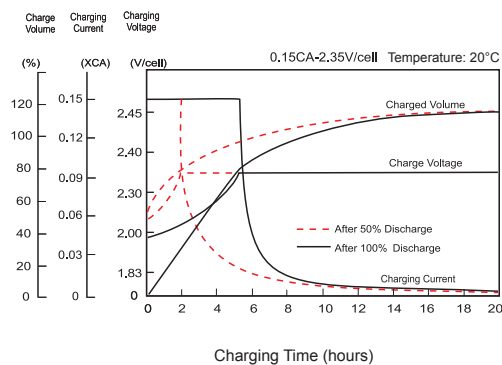
Constant Power Discharge (Watts/cell) at 20°C

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	780.5	616.6	538.8	474.7	351.2	258.8	208.5	120.6	86.5	69.4	59.5	39.3	33.2	16.3
1.80V/cell	878.0	692.8	591.2	513.5	372.1	268.4	214.2	124.7	89.1	71.1	61.3	40.2	33.1	16.7
1.75V/cell	941.0	745.2	631.0	538.2	388.5	272.4	217.7	126.5	90.2	72.8	61.5	40.5	33.2	16.9
1.70V/cell	1009.5	800.9	682.5	574.0	404.7	280.5	223.8	126.9	91.2	72.8	61.8	40.9	33.3	17.1
1.67V/cell	1107.1	878.2	714.9	592.5	418.9	290.1	227.5	128.7	91.7	73.9	62.4	41.2	33.5	17.2
1.60V/cell	1226.0	949.0	745.1	612.8	423.7	292.1	229.5	129.5	92.2	74.2	62.5	41.6	33.7	17.3

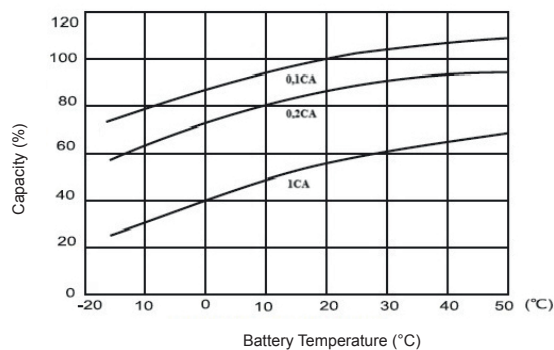
Discharge Characteristics



Charging Characteristics



Effect of Temperature on Capacity



Float Life Characteristics

