

Pure Lead Power 610-12 M8V0 (12V610W)

Item Nr.: SSB2037956

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



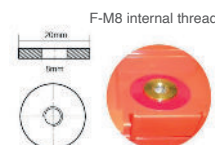
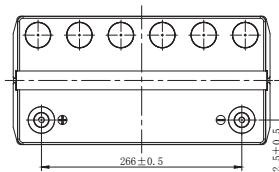
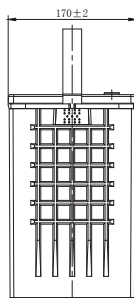
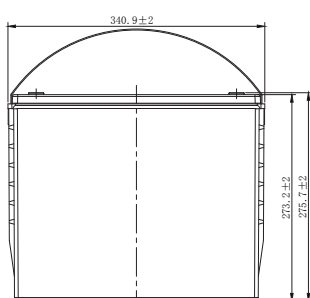
Specifications

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	612.4W/cell (W ₁₅ , 1.60V/cell)	Charging Current	0.1-0.3C
Nominal Capacity	135Ah (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	41.7kg	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	1500A (5 s) 663.9A (30s)		
Short-circuit Current	2750A		
Internal Resistance / Impedance (1kHz)	Approx. 3.6mΩ (±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)



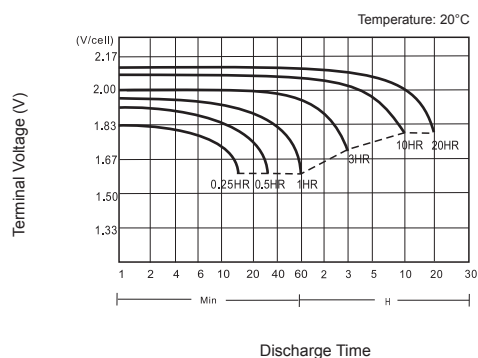
Constant Current Discharge (Amperes) at 20°C

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	340.3	277.1	224.0	194.1	152.2	112.9	92.0	51.4	38.1	29.5	25.1	17.2	13.3	6.9
1.80V/cell	390.2	316.5	249.5	212.1	162.5	118.6	95.7	53.8	39.9	30.7	26.2	17.7	13.5	7.0
1.75V/cell	438.5	349.7	270.4	226.3	173.0	121.9	98.4	55.3	40.8	31.5	26.8	17.9	13.7	7.1
1.70V/cell	472.4	374.7	287.7	238.1	179.6	126.4	102.2	56.1	41.7	32.1	27.2	18.1	13.8	7.2
1.67V/cell	508.3	398.3	303.4	249.5	186.9	131.3	104.4	57.1	42.1	32.5	27.4	18.4	13.9	7.2
1.60V/cell	544.2	415.9	316.4	256.5	190.5	133.3	106.2	58.0	42.7	32.8	27.8	18.6	14.0	7.3

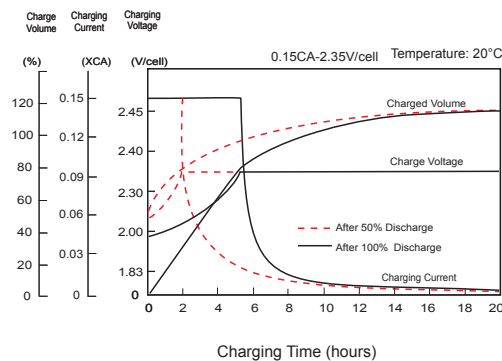
Constant Power Discharge (Watts/cell) at 20°C

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	675.5	548.1	447.5	390.3	308.5	230.6	188.6	106.1	78.9	61.1	35.8	35.3	27.8	13.6
1.80V/cell	756.8	614.4	490.9	422.3	326.7	239.0	193.7	109.7	81.4	62.5	36.4	36.3	27.5	13.9
1.75V/cell	833.7	667.0	524.0	442.5	341.2	242.5	196.8	111.3	82.4	64.0	36.2	36.6	27.8	14.1
1.70V/cell	894.6	710.3	566.8	472.0	355.4	249.7	202.2	111.6	83.4	64.2	36.3	36.8	27.6	14.2
1.67V/cell	945.5	752.1	593.6	491.6	368.1	258.4	205.6	113.3	83.7	65.0	36.7	37.1	27.9	14.3
1.60V/cell	1010.2	781.5	612.4	501.5	372.0	260.0	207.4	114.0	84.3	65.2	36.8	37.5	28.1	14.4

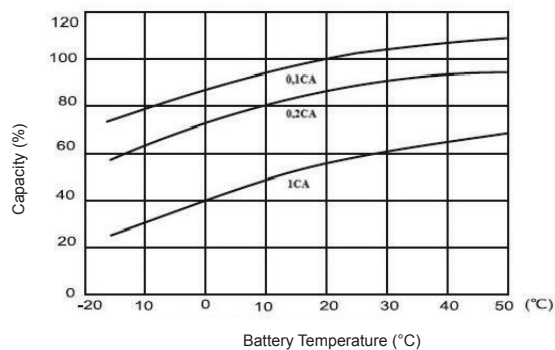
Discharge Characteristics



Charging Characteristics



Effect of Temperature on Capacity



Float Life Characteristics

