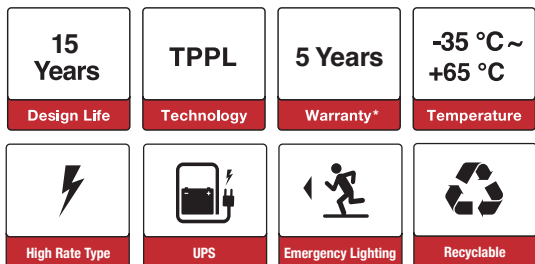




Pure Lead Power 400-12 M8V0 (12V400W)

Item Nr.: SSB2037953



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



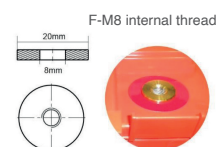
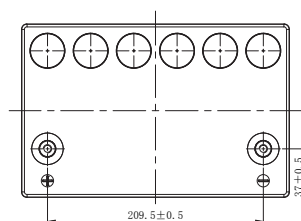
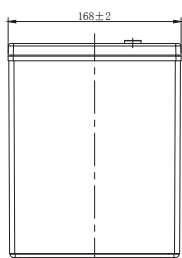
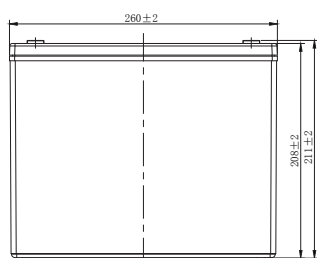
Specifications

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	400.7W/cell (W ₁₅ , 1.60V/cell)	Charging Current	0.1-0.3C
Nominal Capacity	85Ah (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	25.6kg	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	960A (5 s) 437.7A (30s)		
Short-circuit Current	1760A		
Internal Resistance / Impedance (1kHz)	Approx. 4.2mΩ (±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: 260 Length X 168 Width X 208 Height (211 Height incl. Terminal)

■ TT(F-M8)



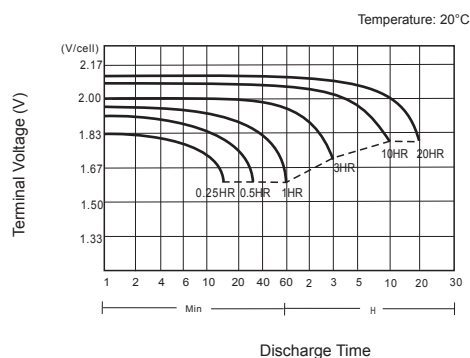
Constant Current Discharge (Amperes) at 20°C

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	232.9	172.1	147.9	123.6	93.6	69.4	54.7	30.5	21.8	17.6	14.9	10.1	8.3	4.3
1.80V/cell	271.4	200.3	164.7	135.0	100.0	73.0	56.9	32.0	22.8	18.2	15.6	10.5	8.5	4.4
1.75V/cell	301.0	219.2	178.5	145.5	107.5	75.1	58.5	32.9	23.4	18.8	15.9	10.6	8.6	4.5
1.70V/cell	330.6	234.9	189.9	153.0	111.6	77.8	60.8	33.4	23.9	19.1	16.2	10.7	8.7	4.5
1.67V/cell	359.1	245.2	200.2	155.9	116.1	80.8	62.1	33.9	24.2	19.3	16.3	10.8	8.8	4.5
1.60V/cell	391.8	254.0	207.0	161.9	118.4	82.1	63.2	34.5	24.5	19.5	16.5	10.9	8.8	4.6

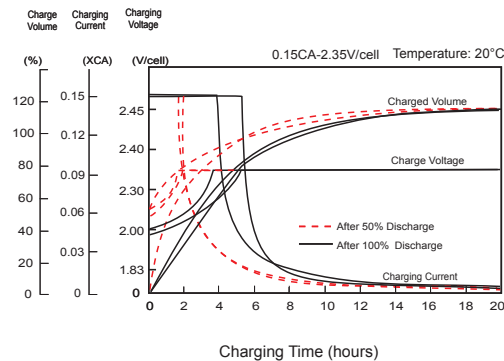
Constant Power Discharge (Watts/cell) at 20°C

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	462.4	340.5	295.4	248.5	189.9	141.9	112.1	63.0	45.2	36.5	31.2	20.8	17.4	8.5
1.80V/cell	526.3	388.9	324.0	268.9	201.0	147.1	115.2	65.3	46.6	37.2	32.0	21.4	17.3	8.7
1.75V/cell	572.3	418.2	345.9	284.5	211.9	149.3	117.0	66.2	47.3	38.1	32.1	21.6	17.4	8.9
1.70V/cell	626.0	445.3	374.1	303.3	220.8	153.7	120.4	66.5	47.7	38.2	32.4	21.7	17.4	8.9
1.67V/cell	668.1	462.9	391.8	307.2	228.5	159.0	122.3	67.3	48.0	38.6	32.6	21.8	17.5	9.0
1.60V/cell	727.3	477.3	400.7	316.5	231.2	160.1	123.4	67.7	48.4	38.7	32.8	22.0	17.6	9.1

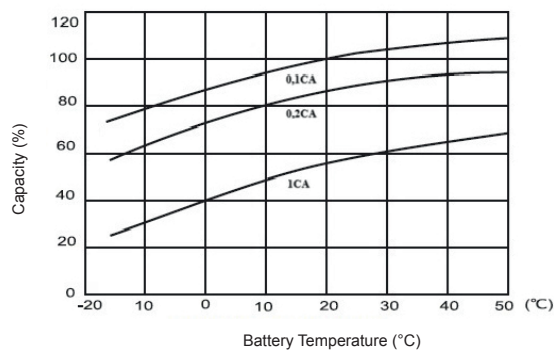
Discharge Characteristics



Charging Characteristics



Effect of Temperature on Capacity



Float Life Characteristics

