

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



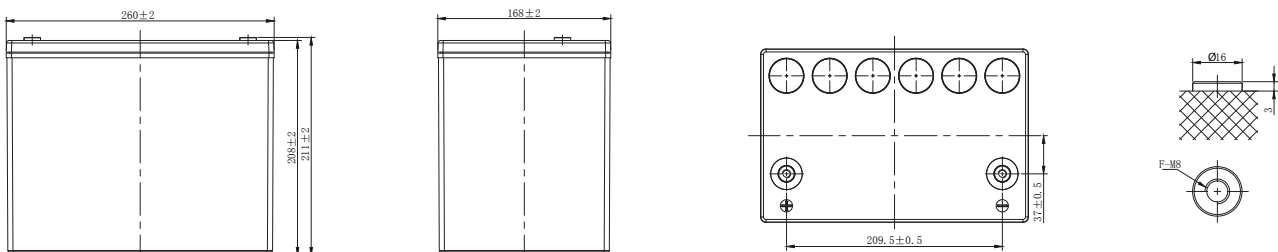
Specifications

<p>Nominal Voltage 12V</p> <p>Nominal Rate 400.7W/cell (W₁₅, 1.60V/cell)</p> <p>Nominal Capacity 85Ah (C₁₀, 1.80V/cell)</p> <p>Approx. Weight 25.6kg</p> <p>Terminal F-M8</p> <p>Container Material ABS UL94 V0</p> <p>Max. Discharge Current 960A (5 s) 437.7A (30s)</p> <p>Short-circuit Current 1760A</p> <p>Internal Resistance / Impedance (1kHz) Approx. 4.2mΩ</p> <p>Nominal Oper. Temp. R. 20±2°C</p> <p>Operating Temp. Range Discharge: -40~65°C Charge: -20~45°C Storage: 5~30°C</p>	<p>Float Charge 2.285V/cell @ 20°C, 2.27V/cell @ 25°C Max. Charging Current: 0.1 - 0.3C Temperature Coefficient: -3mV/cell/°C</p> <p>Boost Charge 2.395V/cell@20°C, 2.375V/cell@25°C Max. Charging Current: 0.1 - 0.3C Temperature Coefficient: -4mV/cell/°C</p> <p>Self Discharge SSB Battery PLP batteries may be stored for up to 24 months at 20°C (self-discharge per month ≤0,5%) and then a freshening charge is required. For higher temperatures the time interval will be shorter.</p> <p>Life Expectancy >12 years according to EUROBAT (Very Long Life) 15 years Design Life</p>
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Dimensions

■ F-M8 Terminal

Unit: mm | Dimensions: 260 Length X 168 Width X 208 Height (211 Height incl. Terminal)



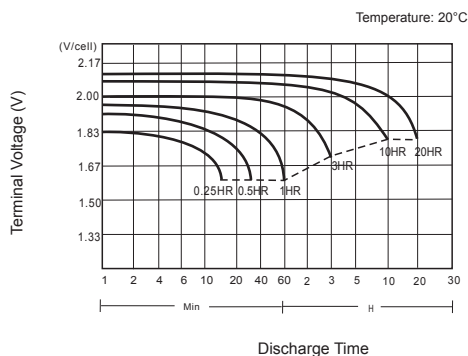
Constant Current Discharge (Amperes) at 20°C

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
1.65V/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

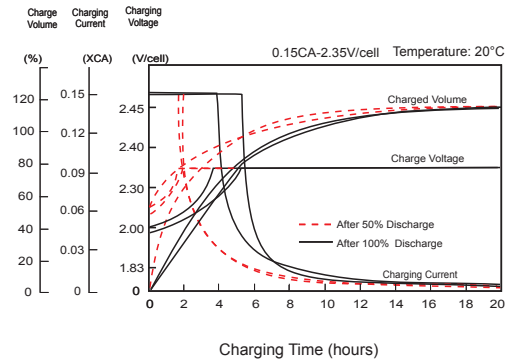
Constant Power Discharge (Watts/cell) at 20°C

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
1.65V/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

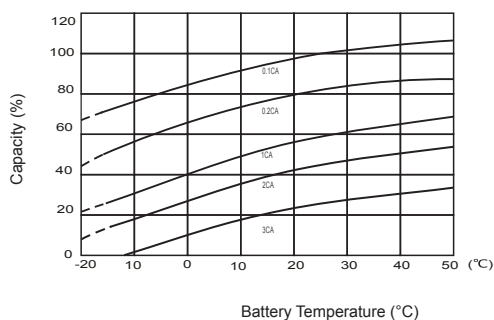
Discharge Characteristics



Float Charging Characteristics



Effect of Temperature on Capacity



Self Discharge Characteristics

