

Data Sheet¹

Type Designation OSL-501220P-01

Dimensions [mm]

Length (L) Max.19.0 (without Tabs)
 Width (W) Max.12.0
 Thickness (T) Max. 5.3(delivery status)
 Max. 5.83after cycling
 Tab Distance 5 +-1
 Tab Length 9+-2
 Tab Width 2 +-0.1
 Top Sealing Width >= 3.0

Weight, approx. [g] 2.3

Electrical Parameter

Nominal Voltage [V] 3.7 (average)
 Typical capacity [mAh] 68 (0.2C at 20°C)
 Minimum capacity C [mAh] 65 (0.2C at 20°C)
 Impedance initial [mΩ] <580 @ 1kHz at 4.2V
 Max. Charge [mA] 65
 Max. Charge Voltage [V] 4.20
 Max. cont. Discharge [mA] 130
 Discharge Cut off [V] 3.0

Life expectancy 1C / 1C, [20°C Cycles] 500 >80% of initial capacity

Operating temperature [°C] Charge: 0 to 45
 Discharge: -20 to 60

Storage Temperature 6 month at -20 to +35°C

Safety Parameter

UL Recognition UL1642 - MH45908

Overcharge 3C 4.8V No fire, no explosion
 Overdischarge 30Ohm 24h No fire, no explosion
 Short Circuit <100mOhm No fire, no explosion, T<150°C
 Heating 130°C 30min No fire, no explosion
 Nailing 2.5D No fire, no explosion

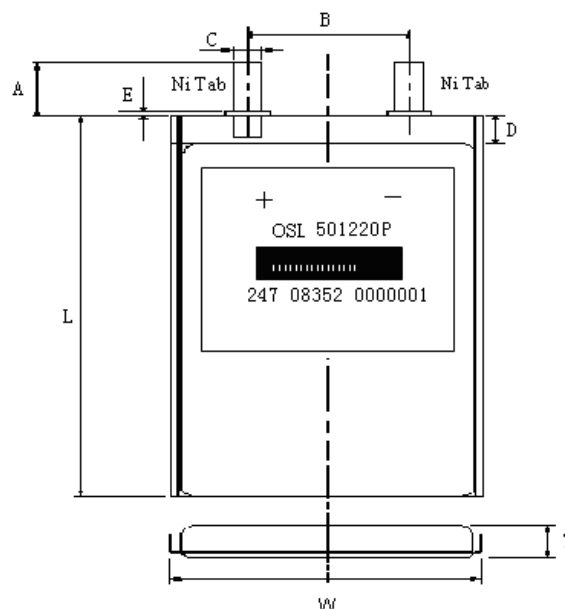
Delivery Status

Cell Voltage 3.7 – 3.9V
 Cell Capacity 50-60%

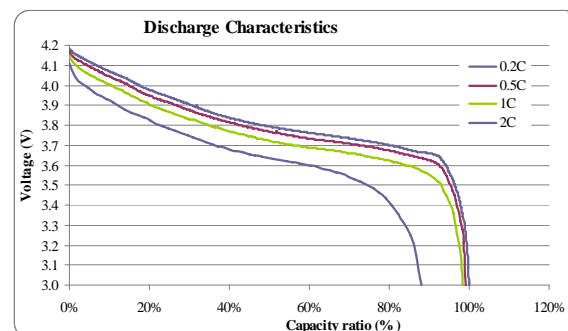
Printing on the cell

Type OSL501220P
 Date Code yyxxz yy=year, xx=cw, z=day
 3.7V 65mAh 0.2Wh
 Wheelie Bin

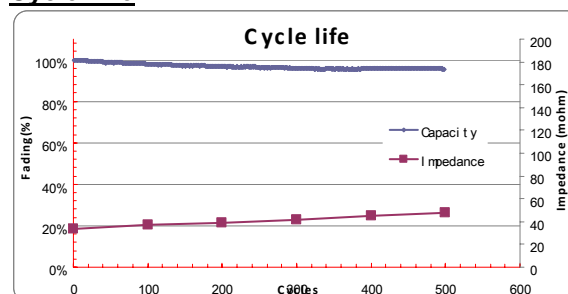
Mechanical Drawing



Rate Capability



Cycle Life



¹ Prior to use read Handling Precaution and Prohibitions for Li-Polymer Batteries Subject to change without prior notice!