

## Data Sheet<sup>1</sup>

Type Designation                      OSL-623766P-01

### Dimensions [mm]

Length (L)                                      Max.66.0 (without Tabs)  
 Width (W)                                      Max.37.0  
 Thickness (T)                                    Max. 6.2(delivery status)  
                                                           Max. 6.82(after cycling)  
 Tab Distance                                    18 +1  
 Tab Length                                      9+2  
 Tab Width                                        4 +0.1  
 Top Sealing Width                            >= 3.0

Weight, approx. [g]                            33.5

### Electrical Parameter

Nominal Voltage [V]                            3.7 (average)  
 Typical capacity [mAh]                        1840 (0.2C at 20°C)  
 Minimum capacity C [mAh]                    1800 (0.2C at 20°C)

Impedance initial [mΩ]                        <90 @ 1kHz at 4.2V

Max. Charge [mA]                              1800  
 Max. Charge Voltage [V]                      4.20  
 Max. cont. Discharge [mA]                    3600  
 Discharge Cut off [V]                         3.0

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

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 300hm 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

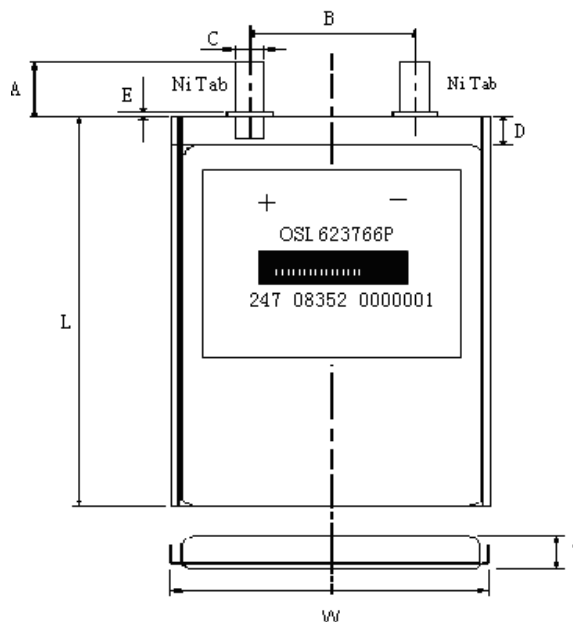
### Delivery Status

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

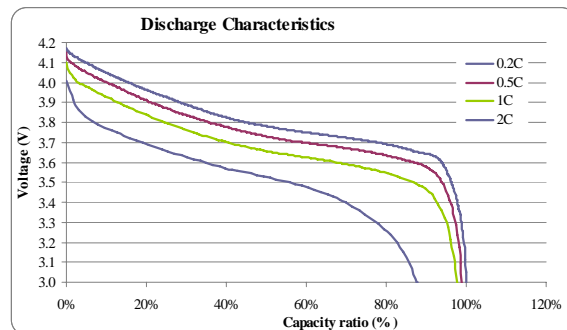
### Printing on the cell

Type                                                OSL623766P  
 Date Code yyxxz                                yy=year, xx=cw, z=day  
                                                           3.7V 1800mAh 6.7Wh  
                                                           Wheelie Bin

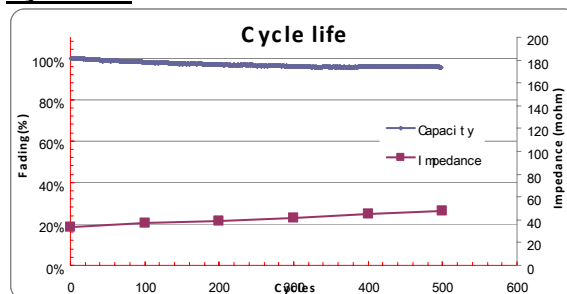
### Mechanical Drawing



### Rate Capability



### Cycle Life



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