

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

Type Designation	OSL-443441P-01
<b>Dimensions [mm]</b>	
Length (L)	Max.41.2(without Tabs)
Width (W)	Max.33.8
Thickness (T)	Max. 4.2 (delivery status) Max. 4.6 (after cycling)
Tab Distance	18 +-1
Tab Length	15+-1
Tab Width	4+-0.1
Top Sealing Width	>= 3.0
Weight, approx. [g]	12.5

### Electrical Parameter

Nominal Voltage [V]	3.7 (average)
Typical capacity [mAh]	620 (0.2C at 20°C)
Minimum capacity C [mAh]	590 (0.2C at 20°C)
Impedance initial [mΩ]	<70 @ 1kHz at 4.2V
Max. Charge [mA]	590
Max. Charge Voltage [V]	4.20
Max. cont. Discharge [mA]	1180
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 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

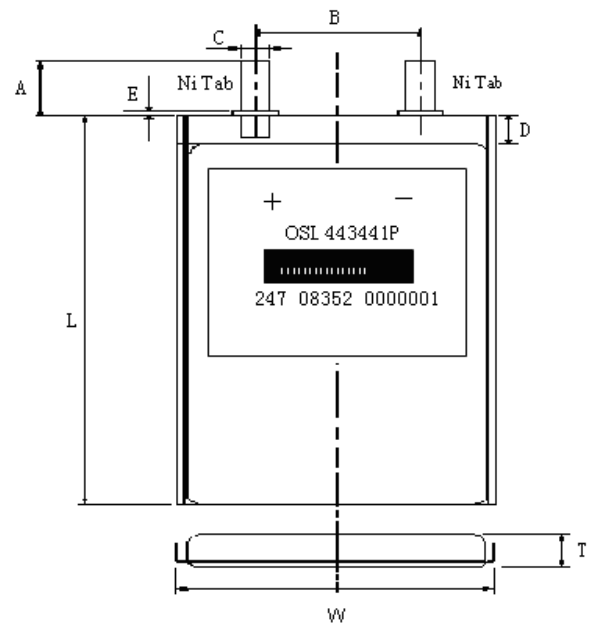
### Delivery Status

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

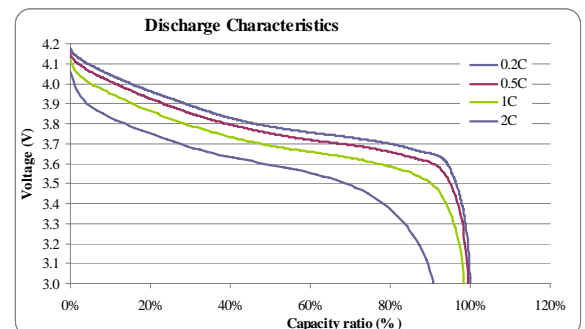
### Printing on the cell

Type	OSL443441P
Date Code	yy=year, xx=cw, z=day 3.7V 590mAh 2.2Wh Wheelie Bin

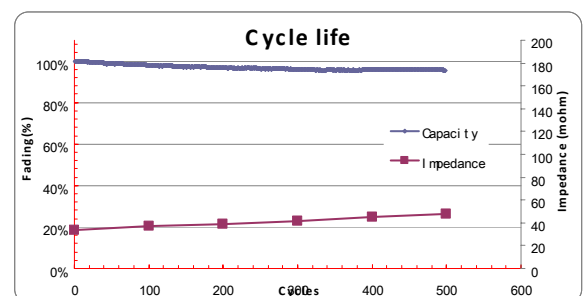
### Mechanical Drawing



### 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!