


# 1S1P MP176065xlr

## RECHARGEABLE LI-ION BATTERY



This Li-ion battery uses a MP176065xlr cell which is ideally suited for applications requiring high energy, long operating life under cycling conditions and offers excellent performance in harsh environments.

### ❖ KEY FEATURES

- Cycle life more than 1800 cycles at 100% DoD at C/2 discharge rate and 1C charge rate
- Stainless steel cell casing
- No memory effects
- Manufactured in France 

### ❖ WARNING

- Do not crush, short-circuit, incinerate, dismantle, immerse in any liquid, heat above +60°C
- Observe charging conditions
- Refer to Li-ion Battery User manual for further information on the use.

### ❖ INFORMATIONS

- Information in this document is subject to change without notice and becomes contractual only after written confirmation by WILLIAMSON ELECTRONIQUE.

## SPECIFICATIONS

Designation	1S1P MP176065xlr
Part number	<b>WILPA7104</b>
Battery type	RECHARGEABLE
Technology	Li-ion
Cell manufacturer	SAFT
Homologation	UN38.3

## ELECTRICAL CHARACTERISTICS

Nominal voltage	3.65 V
Typical capacity (at C/5 rate, +25°C, 2.5V cut-off)	6.8 Ah
Nominal energy	24.8 Wh
Recommended max. discharge current*	5 A to 2.7 V
Charging method	Constant Current / Constant Voltage
Charging voltage	4.2 V $\pm$ 0.04 V
Max. charge current*	5 A
Storage & transportation temperatures*	+10 °C to +30 °C
Operating temperatures*	Charge - 30°C to + 60 °C Discharge - 35 °C to + 60 °C

\*For more severe conditions contact Williamson Electronique

## PHYSICAL CHARACTERISTICS

Length**	62 mm
Width**	19 mm
Height**	68 mm
Weight**	160 g
Wires gauge	20 AWG
Wires length**	105 mm
Connector	MOLEX MINI-FIT 2PTS R/N PLAN M1-165202D
Polarity	Plus: red / Minus: black
Casing	Heat-shrinkable Sleeve

\*\*For reference only