

1S1P MP176065xtd


RECHARGEABLE LI-ION BATTERY



Picture for reference only

This Li-Ion battery uses a MP176065xtd 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 2700 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 MP176065xtd
Part number	WILPA7109
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)	5.6 Ah
Nominal energy	20.4 Wh
Recommended max. discharge current*	5 A to 2.7V
Charging method	Constant/Current/Constant/Voltage
Charging voltage	4.2 V ± 0.04 V
Max. charge current*	5 A
Storage & transportation temperatures*	+10 °C to +30 °C
Operating temperatures*	Charge -35 °C to +85 °C Discharge -40 °C to +85 °C

*For more severe conditions contact Williamson Electronique

PHYSICAL CHARACTERISTICS

Length**	49 mm
Width**	19 mm
Height**	67 mm
Weight**	132 g
Wires gauge	20 AWG
Wires length**	202 mm
Connector	MOLEX 43025-0400
Polarity	Plus: Pin 1 / Minus: Pin 3 NTC: Pin 2
NTC	10K 5%
Casing	Heat-Shrinkable Sleeve

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