

3S1P MP176065 xtd


RECHARGEABLE LI-ION BATTERY



Picture for reference only

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 | 3S1P MP176065xtld SG |
| Part number | WILPA7301 |
| Battery type | RECHARGEABLE |
| Technology | Li-ion |
| Cell manufacturer | SAFT |
| Homologation | UN38.3 |

ELECTRICAL CHARACTERISTICS

| | |
|--------------------------------------------------------|---------------------------------------------------------------------|
| Nominal voltage | 10.95 V |
| Typical capacity (at C/5 rate, +25°C, 2.5V cut-off) | 5.6 Ah |
| Nominal energy | 61.32 Wh |
| Recommended max. discharge current* | 2.5 A to 8.1 V |
| Charging method | Constant Current/Constant Voltage |
| Charging voltage | 12.6 V ± 0.13 V |
| Max. charge current* | 5.6 A |
| Storage & transportation temperatures* | +10 °C to +30 °C |
| Operating temperatures* | Charge -30 °C to +85 °C Discharge -40 °C to +85 °C |

*For more severe conditions contact Williamson Electronique

PHYSICAL CHARACTERISTICS

| | |
|----------------|----------------------------|
| Length** | 62 mm |
| Width** | 59 mm |
| Height** | 70 mm |
| Weight** | 430 g |
| Wires gauge | 20 AWG |
| Wires length** | 200 mm |
| Connector | JST PHR-2 |
| Polarity | Plus: Pin 1 / Minus: Pin 2 |
| Casing | Heat-Shrinkable Sleeve |

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