

**Li-Ion battery pack 18V - 4,0Ah, part number 625027000, 321001470, 321001680**



### Functions

- Ultra M technology: Intelligent battery management for long-lasting battery packs
- Patented "AIR COOLED" charging technology
- Permanent Electronic Single Cell Protection (ESCP), for particularly long life
- Processor-controlled charge and discharge management
- LED Fuel gauge, displays remaining capacity
- No memory effect, long storage capacity with almost no self-discharge

### Characteristics

Voltage-Capacity-Energy-Power-Current-Density	18V-4,0Ah-72Wh- 900W-50A-105Wh/kg-134Wh/L
Cell dimension / number off cells	18650 / 5S2P = 10 cells
Weight / Size	685g / L110 x W79 x H62mm
Impedance	R <sub>AC100Hz</sub> < 55mΩ, R <sub>AC1KHz</sub> < 50mΩ, R <sub>DC</sub> < 95mΩ (delivery condition)
Life cycle	> 500 cycles, C > 70% (T <sub>Ambient</sub> = 25°C, ½ I Nominal)
State of charge	20 - 30%

### LED-Display

State of charge	LED1>20%, LED2>40%, LED3>60%, LED4>80% (5 sec on)
Battery empty	LED1<20%, 2 times flashing
Electronic awake	LED 4, short flashing each 15 sec
Overvoltage, wire break	LED 1, 2 and 4, short flashing each 15 sec
Charge lock (unbalanced cells, deeply discharged)	LED 4, short flashing each 7 sec

### Following Data must be strictly adhered


#### Further applicable documents:

[General-Battery-Pack-Datasheet.pdf](#)

### Battery Charging

Battery pack must only be charged using original Metabo/CAS chargers!

### Environmental Conditions

Temperature range	Storage: -20°C... 60°C / Application: -20°C ... 50°C
Humidity	< 90% (non-condensing), IP-Code IP20
Vibrations- and Shock stress	< 5G, (x-, y-, z-axis)
International Markings	

The information in this datasheet has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Further applicable documents is in the battery manual. This document is confidential and must not disclosed to any third person without written permission.