

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 _{AC100Hz} < 55mΩ, R _{AC1KHz} < 50mΩ, R _{DC} < 95mΩ (delivery condition)
Life cycle	> 500 cycles, C > 70% (T _{Ambient} = 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	

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