

AP
AKKU POWER

AP 36 V

36 V battery system – Heavy Duty
The high-quality standard solution for cordless machines and industrial equipment.

DATASHEET



ROBUST. POWERFUL. FULLY INTEGRABLE.

A powerful platform. Diverse applications. No compromises!

AP AKKU POWER

ULTRA STRONG. MEETS ULTRA-FLEXIBLE.

The AKKU POWER 36V system combines high robustness, reliability and safety in a powerful complete solution for a wide range of industrial applications. It helps companies to make their products and/or processes more flexible – independently of a stationary power supply: e.g. for mobile workstations, in intralogistics, for assembly and service tasks, or for battery-powered machines, devices and special solutions. The components are optimally matched to each other and can be integrated easily, quickly and economically.

THE MOST IMPORTANT ADVANTAGES AT A GLANCE



Modular complete system:

Battery, charger, tool interface, motor controller and mains connector – perfectly matched



Two battery sizes:

2.5 Ah and 5.0 Ah with identical base area



Available worldwide



Battery pack with LED state of charge (SoC) indicator



High power output (heavy duty):

Adjustable continuous discharge current 20 A/40 A, up to max. 60 A



Fast and efficient charging

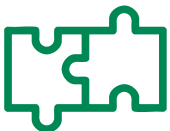


Easy battery replacement via secure contact holder



Communication protocols

depending on variant, e.g. UART, SM bus, CAN bus



Ready-to-integrate platform

– reduces development costs



Global approval



Fast time to market



Integrated BMS

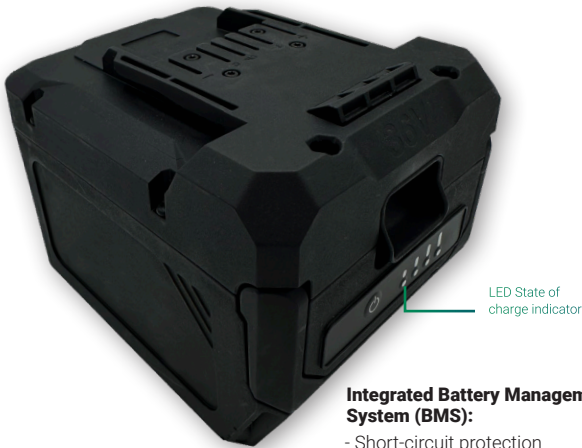
for maximum safety and cell protection

Maximum safety and cell protection against

- Short-circuit protection
- Overcharge protection
- Optional deep discharge protection
- Cell voltage monitoring
- Temperature protection

DATASHEET 36V BATTERY SYSTEM

36V Battery pack



LED State of charge indicator

Integrated Battery Management System (BMS):

- Short-circuit protection
- Overcharge protection
- Optional deep discharge protection
- Cell voltage monitoring
- Temperature protection

Technical Data	Specification
Nominal Rated Voltage	36 V
Nominal capacity	10 Ah
Max. discharge current adjustable	20 A / 40 A max. 60 A
Max. charge current	8 A
Operating Temperature	-20°C to +65°C
Communication interface	SMBus
Protection class	IP 64
Weight	1997 g
Compliance information	IEC62133 / UN38.3 / UL62133 / CE / RoHS / REACH

Charger L-3645

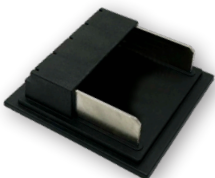


- The charger is designed for 18V to 36V battery packs
- Multi-color LED's indicate the SOC of the battery

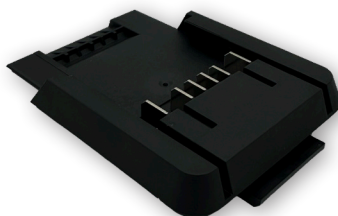
Technical Data	Specification
Input Voltage	100 V–240 V
Power	150 W
Charging Current	4.0 A
Output voltage	36 V
Protection class	IP 20
Operating temperature	-5°C to +60°C
Weight	560 g
Charging time	140 min. for 10 Ah
Dimensions (H x W x D)	120 x 140 x 200 mm
Interface	flexible
Certifications (EU)	EN 60335-1, EN 60335-2-29, EN 55014, EN 61000-3-2/3, EN 50581
Certifications (US)	UL 1012:2010 8th Ed., CSA C22.2 107.1:2001

Contact Holder

1. 5-pin contact system for a secure connection
2. Designed for OEM integration
3. Supports efficient power transmission in 36V systems



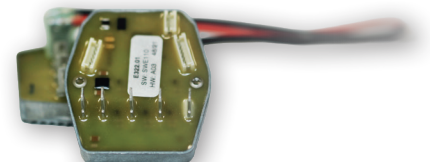
Tool Adapter



Controller for Brushless DC Motor (BLDC)

in different voltage ranges available

up to 1000 W





About Akku Power

AKKU POWER, based in Schorndorf, Germany, is a leading international developer and manufacturer of innovative, high-performance battery systems that provide you with a reliable, mains-independent power supply – whether for trade, everyday use or on the go. Our solutions combine state-of-the-art technology with high-quality components and maximum efficiency.

We offer a wide range of ready-to-use battery products for tradespeople, small businesses, start-ups and end customers: from power and garden tools to e-mobility, home storage and lifestyle applications. With AKKU POWER, you are always flexible, independent and well equipped for the mobile energy supply of tomorrow.

AKKU POWER GmbH

Gottlob-Bauknecht-Str. 5 | D-73614 Schorndorf
Phone +49 (0)7181-97735-0 | Fax +49 (0)7181-97735-29

www.aku-power.com | info@aku-power.com