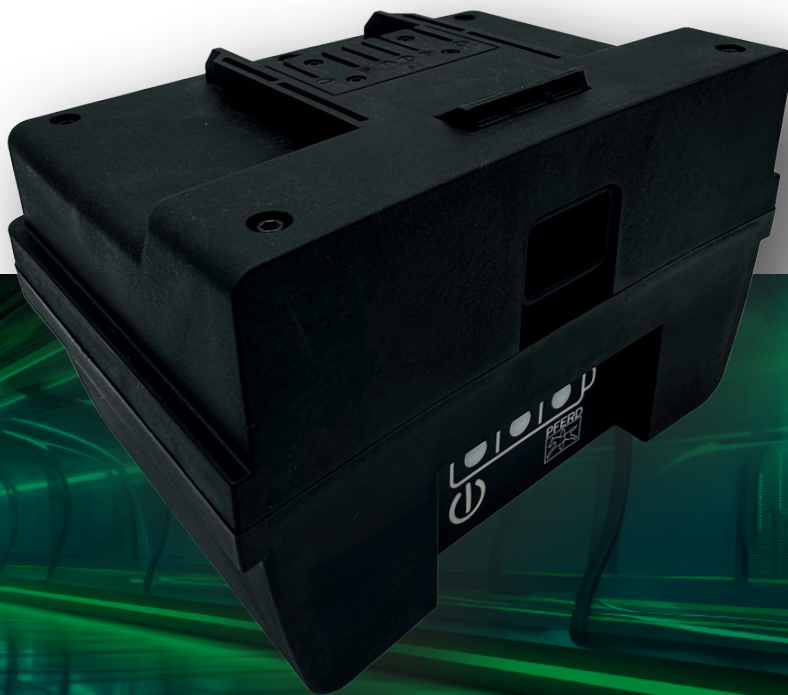


**AP**  
**AKKUPOWER**

# AP 48 V

**48 V battery system**  
**The high-voltage standard solution for powerful  
mobile machines and industrial applications.**

DATASHEET



**POWERFUL. SCALABLE. FULLY INTEGRABLE.**

Strong platform. High performance.  
Maximum flexibility.

## HIGH VOLTAGE. MEETS HIGH PERFORMANCE.

The AKKU POWER 48 V system combines high performance, reliability and safety in a powerful complete solution for demanding industrial applications. It is ideal for mobile workstations, intralogistics, and high-performance machines or modules. All components are optimally matched and can be integrated easily, quickly and economically wherever a powerful cordless energy platform is required.

## THE MOST IMPORTANT ADVANTAGES AT A GLANCE



### Modular complete system:

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



### Different capacity classes

5 Ah / 6 Ah / 7 Ah



### Available worldwide



### Battery pack with LED state of charge (SoC) indicator



### SMBus interface



### Fast and gentle charging

with matching 48 V charger

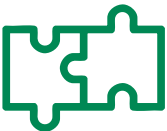


### Easy battery replacement

via secure contact holder



### SoC via 4 LEDs in 25% steps (LED indication)



### Ready-to-integrate platform

– reduces development costs



### Global approval



### Fast time to market



### High current capability

40 A discharge current, up to 60 A > 0.2 s



### Integrated BMS

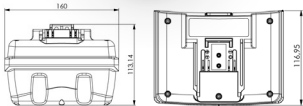
for maximum safety and cell protection

### Maximum safety and cell protection against

- Short-circuit protection
- Overcharge protection
- Deep discharge protection
- Cell monitoring
- Temperature protection

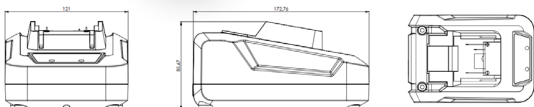
## DATASHEET 48 V BATTERY SYSTEM

### 48 V Battery Pack



Technical Data	Specifications 48 V
Nominal Rated Voltage	48 V
Nominal (rated) capacity	6 Ah
Discharge Current	40 A
Max. continuous discharge current	60 A>0,2 s
Max. charge current	5 A
Operating Temperature	-20°C to +65°C
Dimensions (LxWxH)	117x160x113 mm
Version of Capacity	5.0 Ah / 6.0 Ah / 7.0 Ah
Weight	~2000 g
Compliance information	IEC 62133 / UN38.3 / UL62133 / CE / RoHS / REACH

### Charger L4850

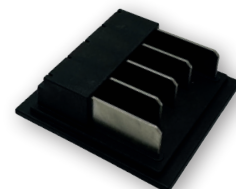
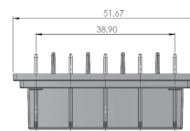


Technical Data	Specification
Input Voltage	100 V–240 V
Output Voltage	48 V
Power	300 W
Charging Current	5.0 A
Dimensions (H x W x D)	205 x 160 x 105 mm
Weight	~910 g
Interface	flexible
Certifications (EU)	EN60335, EN55014, EN61000-3-2, EN61000-3-3
Certifications (US)	UL 1012:2010 8th Ed., CSA C22.2 107.1:2001

- The charger is suitable for 25.2 V and 48 V Li-Ion battery packs
- Multi-color LED's indicate the SOC of the battery

### Contact Holder

1. 5-pin contact system for a secure connection
2. Designed for OEM integration
3. Supports efficient power delivery in 25.2 V drive systems



### Mains connector

- Patented Solution for Power supply in the battery housing to connect to the power source
- No downtime when all batteries are discharged
- Plug & Play.
- Overload protection, Short circuit protection & Overheating protection





## **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**

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