



## ecoPowerTrolley

**Capacity**  
8.9 kWh

**Output**  
13 kW

**Weight**  
80 kg

**Connectors**  
CEE16, CEE7

## Mobile three-phase current for construction sites, events and professional applications

With the ecoPowerTrolley, electricity is always and everywhere available. The compact power pack on wheels stores 8.9 kWh of energy. The portable battery storage can be charged at standard power sockets. An optional photovoltaic kit allows additional independence. It then supplies a wide variety of devices and machines with CEE16 plugs and 400 volts as well as CEE7 plugs with 230 volts at 50 hertz each. This makes it the perfect companion for flexible professionals in the fields of construction, crafts, event technology, film, protection and rescue. So you are always and everywhere ready when it matters.

### Whisper quiet, clean and maintenance-free

The ecoPowerTrolley does not cause any noise or pollutant emissions. Neither fossil fuels nor lubricants are used for operation. This allows you to concentrate on the essentials even in a sensitive environment.

### Powerful household and three-phase electricity

Operate one or more devices with a total of over 1'000 watts of power for more than seven hours, even under adverse conditions. Even power-intensive applications with 400 V three-phase current get by without the need to run (three-phase) power cables. The battery is fast-chargeable and recharged in two hours.

### Lower total costs of ownership than classic generators

With the integrated lithium-ion battery of the latest generation, you rely on an economical energy supply. Even compared to weaker and inexpensive classic gensets, life cycle costs are reduced due to lower running expenses.

## Electrical data

### Battery

Gross capacity <sup>①</sup>	8.9 kWh
Net capacity <sup>②</sup>	8 kWh
Cell technology	Lithium-ion NMC (nickel-manganese-cobalt oxides)
Life expectancy	up to 1'000 cycles, >70% SoH
Charging methods	230 V, 3x400 V, PV kit (Q4/2023), DC charger (Q4/2023)
Charging time (default) <sup>③</sup>	5 h (230 V / Schuko DE or T13 CH)
Fast charge <sup>③</sup>	2 h (400 V / CEE16)

### Power Electronics

Max. Discharge power <sup>④</sup>	13 kW
Discharge power (continuous) <sup>⑤</sup>	11 kW
Max. charging power	4.4 kW
Output data and connector <sup>⑥</sup>	3/N/PE AC 400 V 50 Hz (CEE16) 1/N/PE AC 230 V 50 Hz (3 connections CEE7), optionally Schuko DE or T23 CH
Input data and connector	3/N/PE AC 400 V 50 Hz (CEE16) 1/N/PE AC 230 V 50 Hz (Schuko DE or T13 CH)
Overcurrent protection device	Short circuit protection and electronic Fuse (B16)
Cooling	Passive
Efficiency <sup>⑦</sup>	> 95%

### User interface

Operation	On-Off button
Display	Touchscreen (TFT) for information and input
Informations	State of charge (SoC), operating mode, output power, charging power, operating time, charge time
Warnings	Over- and undertemperature, state of charge, overload, output power reduction, emergency stop
Errors	Over- and undertemperature, overload, undervoltage, faulty components, insulation faults

### Mechanical data

Total weight <sup>⑧</sup>	80 kg
Dimensions LxWxH <sup>⑨</sup>	944x357x596 mm
Temperature range charge	0°C to +40°C
Temperature range discharge	-10°C to +45°C
Storage temperature	1 month at 0°C to +45°C, 3 months at 0°C to +25°C
Degree of protection	IP65 (dust and water jet protection)
Housing	Stainless alloy and plastic
Relative air humidity	5...95%

### Security

Battery Management System (BMS) <sup>⑩</sup>	SIL2 Level
Safety functions	All-pole disconnection, over- and under-temperature cut-off, over- and undervoltage disconnection, redundant overcurrent disconnection, patented overcurrent protection per battery cell, insulation monitoring
Compliance	RoHS, CE
Certification	EN 62477-1, EN 62040-1, UN38.3

<sup>①</sup> Standard charge 0.2 C, 25°C / discharge at 0.2 C, 25°C.

<sup>②</sup> Standard charge 0.2 C, 25°C / discharge at 0.5 C, 25°C.

<sup>③</sup> Up to 90% SoC

<sup>④</sup> For 10 seconds, cos(φ) 0.7...1

<sup>⑤</sup> cos(φ) 0.7...1

<sup>⑥</sup> Other connector types on request

<sup>⑦</sup> At nominal power

<sup>⑧</sup> Without wheels and cables and attachments

<sup>⑨</sup> Without wheels and cables

<sup>⑩</sup> Integrated according to IEC 61508 standard