



ONE
STOP
SHOP
INSIDE

Industrial Mobile Robots

Charging Solutions | Energy Storage | Mobile Safety

 **CONDUCTIX**
wampfler

We are the One-Stop-Shop for Mobile Robot Manufacturers

Broad Product Portfolio including Energy & Charging Solutions. A Product Bundle which fits every need:



CHARGING SOLUTIONS

INDUCTIVE CHARGING



- No wear and tear
- Stationary inductive charging
- Plug & Play
- No floor modifications needed
- High positioning tolerances

Nominal Power	3 kW
Voltage	21 - 59 V DC
Max. Current	up to 60 A
Operating Temp.	0 to + 45 °C
IP Rating	Wallbox : IP 54 Pad: IP 65
Communication	CAN 2.0b CAN Open Ethernet UDP/TCP

- Your unique supplier for several key components of mobile robots
- Your single point of contact to save your energy & charging needs
- Your proven experience with a worldwide presence



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INDUCTIVE CHARGING



- Scalable in voltage and power level
- Perfect supplement to charging contacts and segments
- Robust & reliable industry solution
- Fast automatic start
- Ultra fast switch off

Nominal Power	2 kW up to 9 kW
Voltage	24 V 48 V
Operating Temp.	+5 to +40 °C
IP Rating	IP 20
Communication	CAN 2.0b CAN Open

CONDUCTIVE CHARGER



- Stationary direct charging
- 1.000.000 worry free cycles
- Simple, compact, robust
- 3 series covering all ratings
- Optional CAN / Pilot contacts
- Highly modular and adaptable

Voltage	up to 60 V
Nominal Current	20 – 600 A
Operating Temp.	-30 to +130 °C
Communication	tested for CAN
Cycles (Make and Break)	1.000.000 Cycles

CHARGING CONTACTS



- Stationary and mobile charging
- Discontinuous charging segments
- >1.000.000 worry free cycles
- DC and AC applications
- Proven rail technology
- Touch protected acc. to IP2X

Voltage	Up to 60 V DC or 400 V AC
Nominal Current	Collector: 34 A / collector Rail segment: 50 A / segment
Ambient Temp.	-5 to +60 °C
IP Rating	IP2X
Service Life	1.000.000 Cycles (make and brake)

CHARGING SEGMENTS



ENERGY STORAGE



- 60Ah, 90Ah, 120Ah / 48 NMC battery
- Robust and reliable controls
- Separate Charge and Discharge Circuit
- Single-block battery

Voltage	48 V
Max. Current	3,0 C Discharging 1,0 C Charging
Operating Temp.	0 to +45 °C
IP Rating	IP 20
Cycles	> 2.500 Cycles
Communication	CAN 2.0b
Charging rate	Cycles at 1C

BATTERIES



- 22Ah / 48V LFP battery
- 3C charging (continuous)
- Outstanding cycle life
- Modular design for expandability

Voltage	48 V
Max. Current	3,0 C continuous 5,0 C Pulse 10s
Operating Temp.	-20 to +45 °C
IP Rating	IP 20
Cycles	> 7.500 Cycles
Communication	CAN Open
Charging rate	Cycles at 3C

BATTERIES



MOBILE SAFETY



- Semi-automatic operation controls
- Maintenance take-over
- Global Fleet E-Stop solution
- Fleet battery saving management
- Reliable data transfer

Safety	SIL3 – PLe
Frequencies	434-868-915 MHz 2.4 GHz
Radio	live signal diagnosis tools
Range	expandable*
Communication	any vehicle controller

* with means specific to robot environments

SAFETY RADIO SOLUTIONS



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www.conductix.com

Conductix-Wampfler has just one critical mission:
To provide you with energy and data transmission
systems that will keep your operations up and
running 24/7/365.

To contact your nearest sales office, please refer to:
www.conductix.contact

