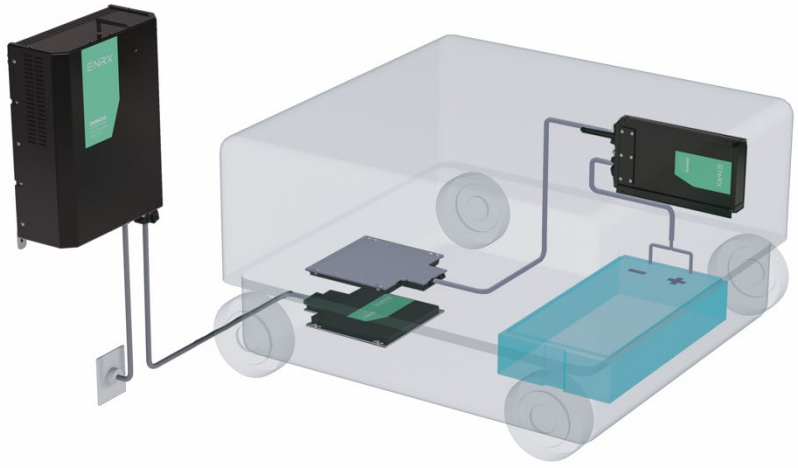
ENRMOVE®

Wireless charging systems for industrial mobility

WCS01-003000
3kW | 65A | 24-60VDC



Advanced wireless battery charging system for industrial vehicles, featuring a robust 3 kW solution with optional compatibility for future-ready dynamic charging. Designed to maximize uptime, boost efficiency, and minimize maintenance.

ENRMOVE ensures uninterrupted productivity

Fast, precise, and reliable energy transfer keeps your vehicles charged during short stops, ensuring continuous operation and increased productivity.

ENRMOVE enhances operational safety

By eliminating manual charging connectors and exposed contacts, ENRMOVE provides a safer environment with reduced electrical hazards and mechanical wear risk.

ENRMOVE is built for sustainability

Highly efficient wireless charging reduces energy consumption and environmental impact. No physical connectors mean less maintenance and a cleaner workspace, supporting your sustainability goals and operational safety.

ENRMOVE provides ultimate flexibility

Whether charging during brief stops or integrated along regular routes, ENRMOVE adapts to your needs. It works with any third-party battery, providing unmatched versatility compared to proprietary solutions.

ENRMOVE reduces operational costs

Precise power transfer minimizes downtime, scrap, and rework, resulting in significant cost savings over the system's lifetime.

ENRMOVE is built for scalability

Designed to adapt to your growing needs, ENRMOVE easily integrates additional charging pads or upgrades to future dynamic charging for evolving operations.

* The system shown is for illustrative purposes only.

ENRMOVE® WCS01-003000

PRODUCT OVERVIEW

Primary Side - Stationary Components

Inductive Power Supply (IPS)

is connected to the grid and and generates a high-frequency constant current.

Primary Coil (PCO)

generates the magnetic field and is the transmitting coil.

Secondary Side - Mobile Components

Secondary Coil (SCO)

is the receiver coil. It collects the magnetic field of the Primary Coil and is connected to the Inductive Power Regulator

Inductive Power Regulator (IPR)

actively rectifies the output voltage.

GENERAL SYSTEM DATA

Output	
Output power	3 kW
Frequency	85 kHz
Output Voltage	24-60 V DC
Output Current	65 A DC

Supply	
Supply voltage	1x 230 V AC ±10%
Frequency	50 Hz / 60 Hz
Supply current	16 A (RMS)

Enviromental Conditions	
Industrial environment	Indoor
Ambient operating temperature	-10°C to +40°C
Relative Humidity	0 % to 95 %
Maximum Operating Altitude	2000 m

Positioning Tolerances	
Air Gap Range	5 to 40 mm
Maximum Misalignment	± 40 mm

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PRIMARY SIDE - STATIONARY

Inductive Power Supply	IPS01-003000
Rated size	3 kW

Enclosure

Outer dimensions (WxDxH)	362 x 153 x 456 mm
Weight	8 kg (approx.)
Enclosure protection	IP 20
Color	Black / Emerald

Cooling

Convection	Forced air

Installation

Orientation	Vertical

Item	Description	Technical Data	
22066545	Inductive Power Supply	3kW - IP20, Forced Air	230VAC - 65A, 85kHz

Primary Coil	PCO01-003000
Rated size	3 kW

Enclosure

Outer dimensions (WxDxH)	229 x 289 x 20 mm
Weight	3.05 kg (approx.)
Enclosure protection	IP 65
Color	RAL 9005, Black

Cooling

Convection	Passive

Installation

Orientation	Horizontal / Vertical

Item	Description	Technical Data
22066519	Primary Coil	3kW, 85kHz

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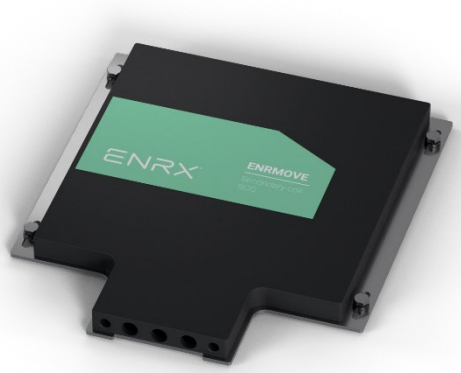
SECONDARY SIDE - MOVING

Secondary Coil	SCO01-003000
Rated size	3 kW

Enclosure	
Outer dimensions (WxDxH)	229 x 289 x 20 mm
Weight	3.15 kg (approx.)
Enclosure protection	IP 65
Color	RAL 9005, Black

Cooling	
Convection	Passive

Installation	
Orientation	Horizontal / Vertical



Item	Description	Technical Data
22066542	Secondary Coil	3kW, 85kHz

Inductive Power Regulator	IPR01-003000
Rated size	3 kW

Enclosure	
Outer dimensions (WxDxH)	345 x 187 x 73 mm
Weight	3.0 kg (approx.)
Enclosure protection	IP 54
Color	RAL 9005, Black

Cooling	
Convection	Passive

Installation	
Orientation	Horizontal / Vertical

Item	Description	Technical Data
22066558	Inductive Power Regulator	3kW, 24-60VDC