

ELSPRO<sup>®</sup>

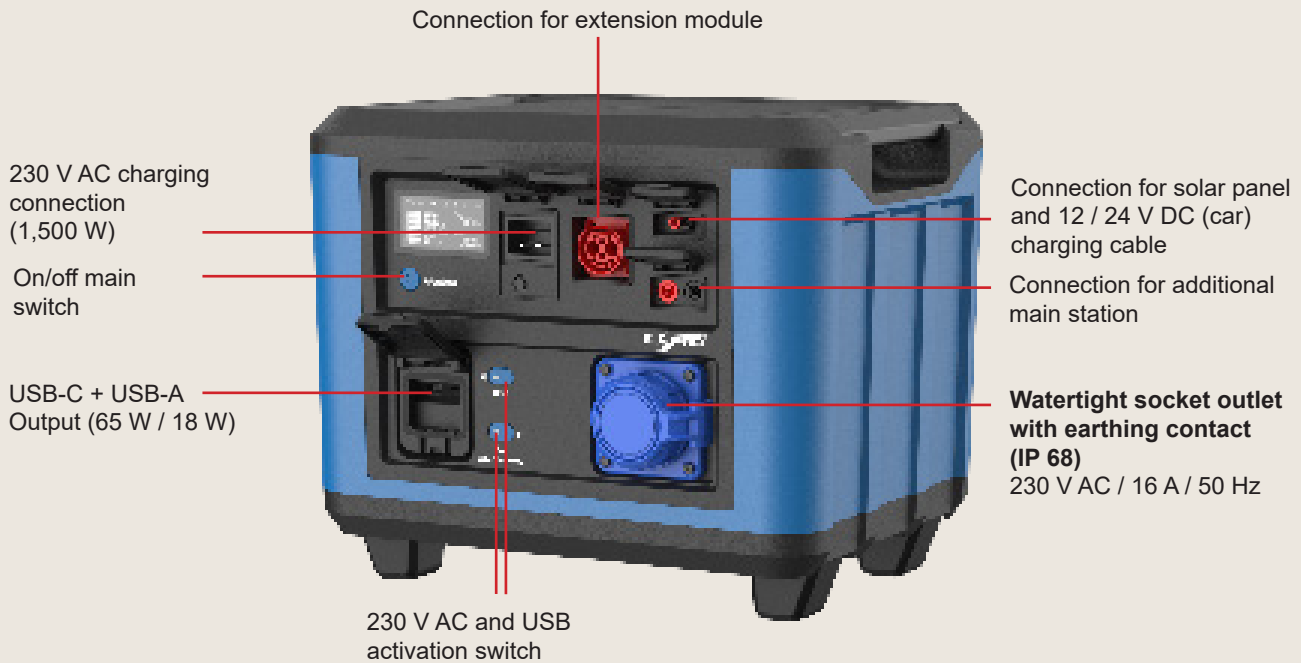
# POWERSTATION

Off-grid power supply for industry  
and emergency services



# Mobile POWERSTATION

Off-grid power supply for industry and emergency services



### LCD display with real-time information

- Capacity, visual and in %
- Operating and charging time: in real time and to the minute
- Input power and output power
- 230 V AC / USB outputs active
- Number of connected extension modules
- Status display



– Subject to changes and errors –

# Mobile POWERSTATION

## Mains-independent power supply



### TECHNICAL DATA:

#### Main station

<b>Order no.</b>	<b>EMPS2000</b>
Continuous power	2,000 W
Top performance	4,000 W
Capacity	1.5 kWh
Outputs	1 socket outlet with earthing contact - without $\text{⏏}$ - 16 A / 230 V / IP 68 1 USB-C (65 W) / 1 USB-A (18 W)
Protection type	IP 65
Charging time	1 hour to 70% / 1.5 hours to 100%
Capacity display	LCD display
Ambient temperature	-20°C to +40°C
Protection class	1
Dimensions	385 x 322 x 310 (W x H x D)
Weight	26 kg

Supplied with 230 V AC charging cable (2 m) H07RN-F (item no. EMPS008)

#### Extension module

<b>Order no.</b>	<b>EMPS2000EM</b>
Capacity	1.5 kWh
Protection type	IP 65
Capacity display	8 LEDs
Ambient temperature	-20°C to +40°C
Dimensions	385 x 230 x 306 (W x H x D)
Weight	19 kg

Delivery includes connection cable to the main station (item no. EMPS007)

– Subject to changes and errors –

# Mobile POWERSTATION

Off-grid power supply for industry and emergency services

## Cost savings

## Time saving

## Increased safety

### ELSPRO POWERSTATION - the mobile power source for demanding environments

The mobile ELSPRO POWERSTATION is a reliable portable power source for challenging applications and provides power wherever and whenever it is needed. It is perfect for spontaneous emergencies, temporary construction and assembly sites and use in remote areas - quietly and without emissions. If the ELSPRO POWERSTATION is not required for an extended period of time, it remains ready for use for months due to its extremely low self-discharge rate of < 3% per month.

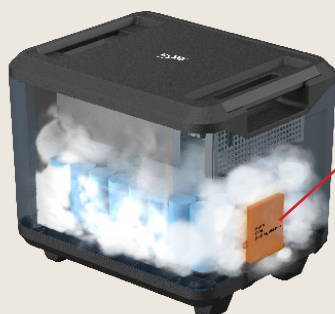
### SPECIAL FEATURES:

#### LITHIUM-IRON PHOSPHATE - the particularly safe lithium-ion technology

- **32 high-performance LiFePO4 cells** (51.2 V DC, 30,000 mAh, 1,536 Wh)
- **Particularly safe:** certified according to UN 38.3 and UL62133
- **High operational reliability:** the battery is fully charged in 1.5 hours and the self-discharge rate is < 3% / month
- **Environmentally friendly:** LiFePO4 batteries can be largely recycled and individual battery cells or the entire POWERSTATION battery can be replaced
- Cobalt-free and **long service life** conserves resources

### INCREASED SAFETY

- **No risk of fire/explosion** due to lithium iron phosphate battery
- Suitable for permanent outdoor use thanks to its robust design and high degree of protection
- All outputs must be activated before each operation
- **Self-closing hinged cover** in front of all inputs and outputs
- **Automatic switch-off** after 30 minutes if no loads are connected
- LCD display with status and **remaining capacity display**
- **Emergency power function** for an uninterruptible power supply (UPS):  
When a device is connected to the POWERSTATION while it is plugged into the mains, the device is powered directly by the grid. If the power fails, the POWERSTATION switches to emergency power mode within ≤ 10 ms and supplies the load directly



#### ADDITIONAL PROTECTION:

**Internal, automatic fire extinguishing unit:**  
Nitrogen is released when a sensor detects significant overheating inside the housing

[scan here for a video](#)



### COST SAVINGS

- High **Battery service life** and **Cycle stability** → after 2,500 charging cycles ≥ 80% of the original capacity
- **Easy to repair:** high availability of spare parts
- **Charging via solar** (800 W / 12-60 V DC) through Anderson connection
- **robust** and **resistant** die-cast aluminium housing, plastic powder-coated
- **Low operating costs:** no costs for petrol, oil and maintenance
- **Intelligent battery management system (BMS)** - monitors and controls the complete charging and discharging process of every single battery cell in the POWERSTATION: overcharge protection / overdischarge protection / overvoltage protection / overcurrent protection / short-circuit protection / overheating protection / low temperature protection

### TIME SAVING

- **Easy handling:** easy to stow away thanks to its compact design and **quickly ready for use** thanks to easy transport
- **Maintenance-free** thanks to passive cooling - no tedious cleaning of fans or filters necessary
- **Fast charging** from 0 to 100% in **1.5 hours** thanks to 1,500 W charging power
- **Can also be charged in the car** (12 / 24 V DC)

– Subject to changes and errors –

# Mobile POWERSTATION

Off-grid power supply for industry and emergency services

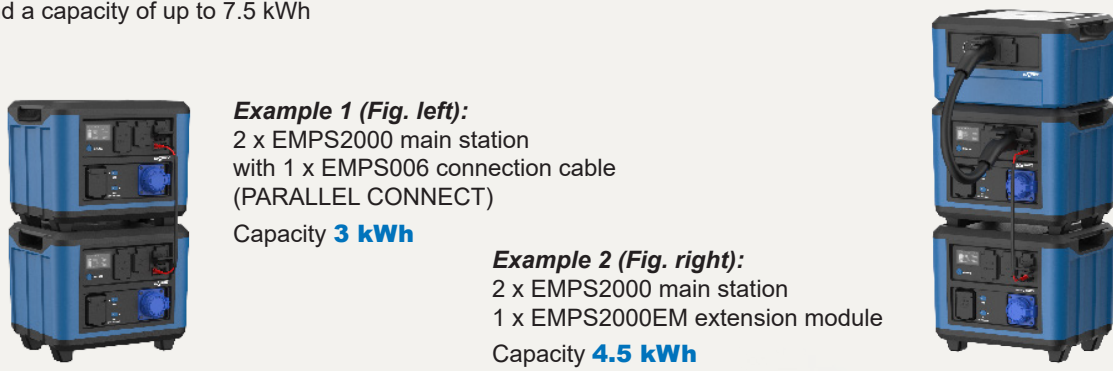
## CAPACITY expandable:

Modular expansion to a capacity of up to 6 kWh











## PERFORMANCE AND CAPACITY expandable:

Modular expansion to a continuous output of **4,000 W** (8,000 W peak output) – by connecting two main stations – and a capacity of up to 7.5 kWh



## OPERATING TIME of various consumers connected to a main station (1.5 kWh):

Drilling machine	N8LED 2.1	Angle grinder	Submersible pump
 600 W 2:30 hrs. 5:00 hrs*	 360 W 04:10 hrs. 08:20 hrs*	 1,500 W 01:00 hrs. 02:00 hrs*	 1,300 W 01:09 hrs. 02:18 hrs*
Laptop	Spotlight QV LED 100	Hammer drill	Water vacuum cleaner
 50 W 30:00 hrs. 60:00 hrs*	 100 W 15:00 hrs. 30:00 hrs*	 1,000 W 01:30 hrs. 03:00 hrs*	 1,900 W 00:47 hrs. 01:34 hrs*

\* Main station + extension module or 2 x main station (3 kWh)

– Subject to changes and errors –

# Mobile POWERSTATION

Off-grid power supply for industry and emergency services



Steel protective frame for ELSPRO POWERSTATION



Transport trolley for ELSPRO POWERSTATION



ELSPRO POWERSTATION with safety distributor HILDEN

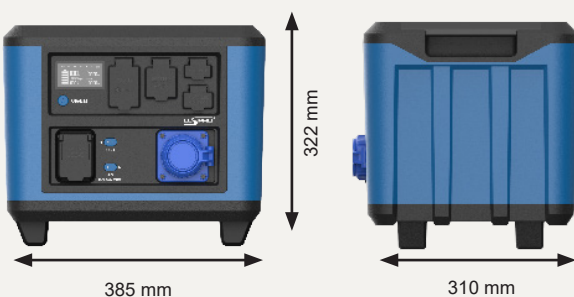
<b>ACCESSORIES AND SPARE PARTS:</b>	Order no.
Steel protective frame with carrying handles	<b>EMPS-SG</b>
Transport trolley with telescopic handle (max. load capacity 100 kg)	<b>EMPS-TK</b>
Protective cover (not shown)	<b>EMPS-SH</b>
Replacement cover (AC-IN)	<b>EMPS001</b>
Replacement lid (EXTRA BAT+)	<b>EMPS002</b>
Replacement cover (PV-INPUT)	<b>EMPS003</b>
Replacement lid (PARALLEL CONNECT)	<b>EMPS004</b>
Replacement cover (USB-C / USB-A)	<b>EMPS005</b>
Connection cable (PARALLEL CONNECT)	<b>EMPS006</b>
Replacement cable (EXTRA BAT+)	<b>EMPS007</b>
Spare charging cable (2 m standard H07RN-F)	<b>EMPS008</b>
Charging cable 12 / 24 V DC (car)	<b>EMPS009</b>
Solar charging cable (PV-INPUT)	<b>EMPS011</b>
Replacement stand cover	<b>EMPS012</b>
Charging cable (5 m INDUSTRIEFLEX® 07 HT)	<b>S/PG/5/KGK</b>

Mobile solid rubber distributor HILDEN	<b>1310052</b>
in accordance with DGUV Information 203-032	
3 socket outlets with earthing contact (3 pole / 16 A / 230 V)	
3 RCD residual current circuit-breaker (2 pole / 25 A / 30 mA / type A)	
10 m extension cable INDUSTRIEFLEX® 07 HT 3G1.5 mm <sup>2</sup> H07RN-F / H07RN8-F / H07BN4-F Earthing contact plug and coupling / 3 pol. / 16 A / 230 V	<b>S10KPG</b>

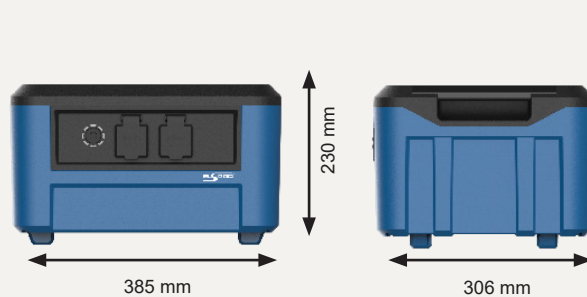
– additional special distributors on p. 5.12 and on request / also available as pressurised water-tight versions –

## COMPACT DIMENSIONS:

### Main station



### Extension module



– Subject to changes and errors –