



## 36 kW Mobile Charger With Panel

- Innovative in energy storage & Power Electronics
- Custom-made solutions
- Complete solution: storage & Power Electronics
- Design and system integration

### Features

- Mobile CCS station
- IP-20
- Rated Power: 36 kW
- Input voltage: 400 VAC  $\pm$  10%
- CEE 64A socket + plug 3m cable
- Output voltage range: 0 – 720 VDC
- Phoenix CCS Type 2 plug with 5m cable
- User-interface: Panel-PLC (HMI) and lamps
- Temperature range: -20 to +45°C

### Applications

- Charging electric vehicles
- Charging automatic guide vehicles
  - Maritime
  - Industrial
- Combination diesel-electric, fuel cell & batteries



## Mechanical Data

Length x Width x Height  
600 x 500 x 1367 mm (including rolls)  
Approx. 320 kg

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Symbol	Parameter	Description	Value	Unit
<b>General</b>				
$P_R$	Rated power		36	kW
$P_{max}$	Max. charge power	@ $U_{OUT}$ 720V, $I_{OUT}$ 50A, D 100%	36	kW
$F_r$	Switching frequency		4	kHz
$\eta_r$	Efficiency	@ $P_r$	>95	%
<b>Input</b>				
	Grid connection	3 Phase, 5-wired		
$U_{in}$	Rated voltage	$\pm 10\%$	400	VAC
$f_n$	Line frequency		50	Hz
<b>Output</b>				
$U_{out}$	Variable voltage range		0 – 720	VDC
$U_{out,max}$	Max. operating voltage		730	VDC
$I_{nom}$	Nominal current		50	A
$I_{OUT}$	Current range		Up to 50	A
<b>Safety</b>				
	Safety chain	Stop on door, external (hard-wired)		
	Ground fault	Digital ground fault monitoring		
<b>Environment</b>				
$T_o$	Operating temperature		-20 till 30	°C
$T_s$	Storage temperature		-45 till 45	°C
	Cooling type	Forced air cooling		
<b>Communication</b>				
	Data	CAN		
	Control signals	ON/OFF; Reset; Emergency stop		
	HMI	Optional		

## Standards

- Connector: IEC 62196-3 (type 2)
- DC charging: IEC 81851-23
- DIN 70120
- Vehicle-charger communication: ISO 15118(-3)



Hybrid Power

## Mechanical Data

Height x Width x Depth: 1367 x 600 x 500 mm  
Weight: Approx. 320 kg  
Enclosure: IP20