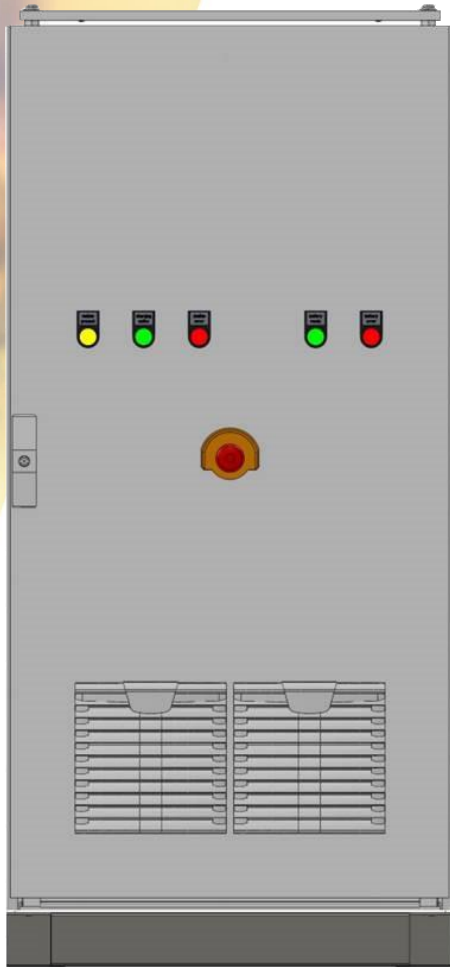




36 kW Charge Station



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

Features

- 36 kW charge power
- Rated current up to 50A
- Galvanic isolation
- Ground fault detection/Isolation monitoring
- Optional: Connection standard: IEC62196
- Optional: Charging standard: IEC 61851-1/23/24 (mode4)
- Main contactor with pre-charge
- DC-switch
- Safety control integrated
- CAN interface, HMI optional
- Voltage-, current- and power control modes

Mechanical Data

Height x Width x Depth
1200 x 600 x 600 mm
Approx. 220 kg

Applications

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

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Technical Characteristics

Symbol	Parameter	Description	Value	Unit
General				
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
η_r	Efficiency	@ P_r	>95	%
Input				
	Grid connection	3 Phase, 5-wired		
U_{in}	Rated voltage	$\pm 10\%$	400	VAC
f_n	Line frequency		50	Hz
Output				
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
Safety				
	Safety chain	Stop on door, external (hard-wired)		
	Ground fault	Digital ground fault monitoring		
Environment				
T_o	Operating temperature		-20 till 30	°C
T_s	Storage temperature		-45 till 45	°C
	Cooling type	Forced air cooling		
Communication				
	Data	CAN		
	Control signals	ON/OFF; Reset; Emergency stop		
	HMI	Optional		

Mechanical Data

Height x Width x Depth: 1200 x 600 x 600 mm
Weight: Approx. 220 kg
Enclosure: IP22