



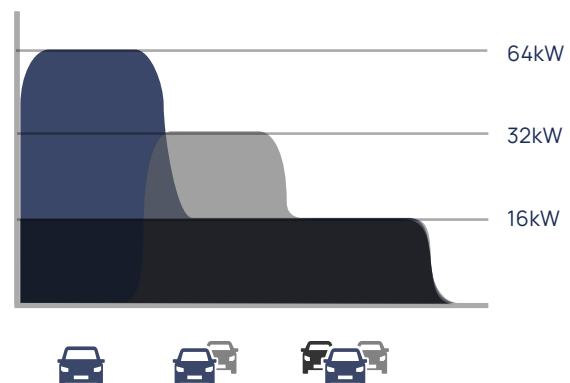
one-way-guest-64

Ready for all electric vehicles

Our fast charging station one-way-guest-64 enables simultaneous charging at 3 outlets with up to 64 kW DC and 22 kW AC. All fast charging standards up to 500V voltage are supported. Thanks to OCPP compatibility, common payment and access systems can be implemented easily and enable ideal charging e.g. at hotels and restaurants or in municipal operation. In commercial applications and in buildings, they can also be used in combination with our other charging stations and battery systems.

Dynamic power management

one-way-guest-64 intelligently adjusts the power during parallel charging so that all vehicles are optimally served at all times. This so-called "dynamic DC power splitting" is available as an option.



The dynamic AC/DC charging station

one-way-guest-64, the fast charging station for many applications, supports the three most important charging standards: CCS (Combined Charging System), CHAdeMO and Type 2, allowing all modern electric vehicles to be charged. Depending on the version, the station serves up to three cars simultaneously and, at maximum power, provides customers with up to 150 kilometres of range in 20 minutes of charging time.



Fast charging for every application

As a member of the intelligent sun2wheel product family, one-way-guest-64 can be combined as desired with our bi- and monodirectional charging stations as well as the rechargeable battery systems and controlled via the V2X-controller. This even makes it possible to carry out fast charging for guests and employees, even with limited connected load.

Like all sun2wheel products, one-way-guest-64 is developed and produced in Switzerland



V2X-controller





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Technical Data				
AC input	Mains connection	AC 3-phase + N + PE		
	Input voltage	400V _{AC} +/- 10%		
	Input frequency	45 - 65Hz		
AC output plug	AC socket	IEC 62196 Mode 3, Type 2		
	Nominal AC output power	22kW		
	Nominal AC output voltage	400V _{AC}		
	Nominal AC output current	3 x 32A _{AC}		
	Safety	- Residual current device (type B) - Overcurrent protection - Ground monitoring		
DC outputs	DC plug	Plug 1	Plug 2	
		 CSS IEC 62196-3	 CHAdeMO JEVS G105	
	Maximum DC output power		32kW - 64kW	
	DC output voltage range		150 - 500V _{DC}	
	Maximum DC output current		40 - 160A _{DC}	
	Power factor (> 50% Loading)		> 0.99	
	Efficiency		95% at full load	
	Safety		- Short circuit protection - Overcurrent protection - Undervoltage protection - Insulation monitoring - Ground monitoring	
	General	Operating temperature	-20°C bis +45°C	
		Relative humidity	5% to 95% (non-condensing)	
Protection class		IP 54 (Indoor/outdoor use)		
Dimensions (D x W x H)		1900 x 590 x 300 mm		
Standards	Electrical safety (xFC1)	IEC 61851-1, IEC 61439-2		
	EMC	EN 61000-6-1, -2, -3, 4, EN 61000-3-2		
	CHAdeMO	Rev. 0.9.1 (certified), Rev. 1.2 (compatible)		
	Combined Charging System (CCS)	Plug IEC 62196-3 DIN 70121 (Interoperability test BMW, VW, GM) ISO 15118		
Options	Access / payment systems	Payment via smartphone RFID authentication		
	Remote management	OCPP 1.5, OCPP 1.6 (JSON / SOAP)		
	Mounting	opi2020 foundation		
	Connection options	Ethernet, GSM / GPRS / UMTS		

The sun2wheel product family

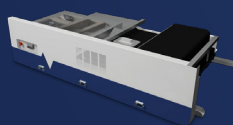
combines solar energy, electromobility and the electricity grid

The complete system for the intelligent use of vehicle batteries as energy storage - resource-saving and incrementally expandable; Swiss cutting-edge technology for sustainability!



V2X-controller

All charging stations and rechargeable batteries are managed in a superordinate and intelligent way. The system can be expanded incrementally. The sun2wheel app makes the various functions controllable and tangible.



accu, accu-rack & accu-container

The accu second use battery system (can also be ordered brand new) can be used as a single battery as well as a rack and container system. Capacity of 24-620 kWh



two-way-10

With the bidirectional 10 kW DC charger you can easily supply your home or business with electricity from your electric vehicle.



one-way-guest-64

One-way 64 or two-way 32 kW DC, including dynamic load sharing, allow easy and fast charging of all electric cars



one-way-compact-11

This AC premium charger is available in an 11 kW version. Easy installation with CEE plug.