

EXC DRIVE

Charge 400 kW. Everywhere. Immediately.



Plug & Play.
Charge.
Save money.



**400 kW
high power charging**

for e-trucks, e-busses and
e-cars



**PV, grid
& spot market**

store and use energy
flexible



**easy connection &
quick start**

min. 400 V / 63 A
– quick commissioning



**modular
& independent**

scalable up to >3 MWh,
off-grid mode

flexible energy storage system for High Speed Charging

typical demand of our clients

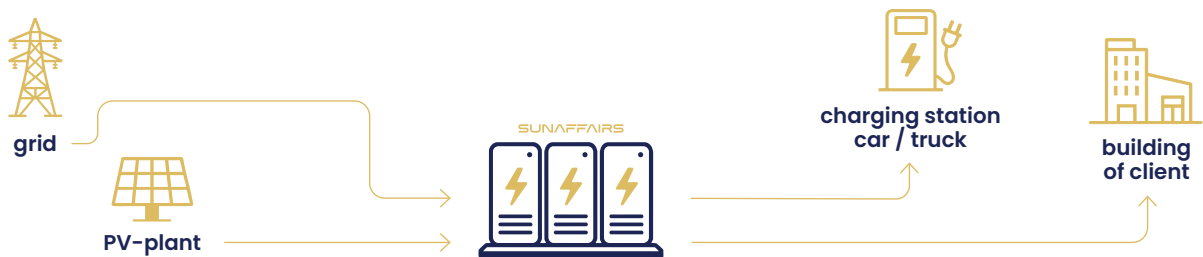


- buy energy at **low spot prices**, store and use according to **demand**.
- **operate e-trucks economically** and use your own **electricity from PV**.
- make charging possible **without own transformer**.

EXC Drive - How does it work?

The EXC Drive system **stores energy** from the grid connection (starting with 400 V / 63 A) as well as from your PV plant. The **integrated EMS** controls the plant automatically according to your wishes. The stored energy then can be used to charge your electric trucks or e-cars at power up to **400 kW** or to cover the energy consumption of your buildings and machines..

modular and scaleable



01 energy source

energy is sourced either from the grid **Netz** or from your **PV-plant**.

02 storage

the energy will be stored in the **battery storage EXC 241**.

03 distribution

into two ways:
 > **charging station > car / truck**
 > **building of the client**

On one integrated metal frame EXC Drive **stores up to 1446 kWh of electrical energy**.

other advantages



installation
no fundament necessary



off-grid mode possible
- charging without grid connection



delivery
with crane (Innenlader-truck)



commissioning
withing few hours



LiFePO₄ technology
for high safety

if you have a higher energy demand we can combine more EXC Drive and increase the storage capacity tailored to your needs.

technical specifications

model	EXC Drive 482	EXC Drive 723	EXC Drive 964	EXC Drive 1446
charger	Alpitronic HYC 200	Alpitronic HYC 400		
charging power	200 KW DC	up to 400kW DC		
charging guns	1-2	1 - 4 (liquid cooled)		
connection charger / Backend / Payment	OCPP 1.6J / OCPP 2.0.1 / RFID / credit card terminal			
battery storage	2x EXC 241	3x EXC 241	4x EXC 241	6x EXC 241
battery capacity	482 kWh	723 kWh	964 kWh	1446 kWh
battery technology	LiFePO4 – 0,5C-rate, 80% rest capacity after 5.000 cycles			
energy management system	Sunaffairs EMS			
grid conncion	CEE socket 32A/ 63A or individual	CEE socket 63A/125A or individual		
connection PV	yes - direct communication with your PV plant and the grid signals			
dimensions	4,3x1,6x2,5 m	5,3x1,6x2,5 m	6,3x1,6x2,5 m	8,3x1,6x2,5 m
weight	ca. 6 to	ca. 9,5 to	ca. 12 to	ca. 17 to
operating temperature	- 25°C bis + 50°C			
comissioning	ready to use within few hours			
transport/delivery	Innenlader-truck, no crane necessary			
requirements to location	paved, level surface (asphalt or compacted gravel base, designed for required load capacity).			
trading of energy on spot market	yes			
peak shaping	yes			
controlling / monitoring PV	yes			
grid support	yes			
Backup energy	yes			