AXSOL
MOVING ENERGY

AXSOL **Energy Container Solutions**

Stationary Battery Storage – for all applications

Possible Applications

+ Control energy Grid stabilization
+ Self sufficient power supply / initial supply
+ Hybridization diesel generators
+ Self consumption optimization
+ Charging station
+ Peak Shaving
+ Grid connection optimization

Efficient energy supply – for all requirements

Through innovation and flexibility, AXSOL offers a modern way to provide energy with its Energy Container Solutions (ECS). From mobile use for supplying temporary infrastructure with power to peak shaving applications in the megawatt range, the systems are specifically adapted to the respective application. Through intelligent energy management, conventional power generators can be hybridized or completely replaced by integrating renewable energy generators such as photovoltaics, wind or hydropower. The built-in system control with demand analysis software ensures increased efficiency, safety and sustainability. Each system has a modularly scalable LiFePO4 battery storage with matching power and control electronics and is provided to the user pre-wired, configured and parameterized as a ready-to-use solution.

Freely scalable

Storage capacities from 10-foot containers with 70 kWh to 40-foot containers with 3 MWh possible, power output depending on requirements

Large-scale storage

Interconnected operation of several Energy Container Solutions for even more storage capacity and performance

Flexible

Connection of any generator sources (solar, wind, hydro, fuel cells, grid power, diesel generators) possible

HIGHLIGHTS

Safe and long-lasting

Advanced lithium iron phosphate (LiFePo4) batteries in rugged ISO containers

Efficient

DC coupling of photovoltaic modules allows lower system losses

Plug & Play

Energy storage units are delivered wired and ready-to-use with power and control electronics

Complete solutions for all applications

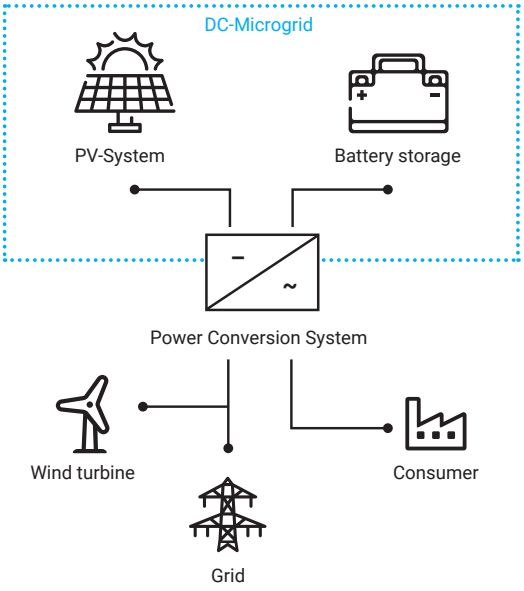
Our large partner network allows us to deliver our storage systems with the appropriate energy generators. We take care of the planning for you and provide the complete package tailored to the application. You have no experience with the conception of such projects? No problem - our project team will be happy to advise you and find the right configuration for your needs. Simply arrange a non-binding consultation appointment with us.

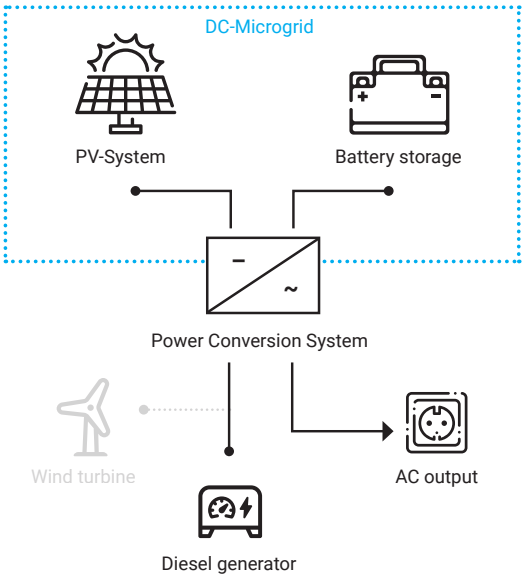
Target markets

+ Wind & Solar Farm Operators
+ Renewable Energy EPC/O&M Companies
+ Construction
+ Industry
+ Cities & Municipalities
+ Event Management
+ Emergency Medical Facilities
+ Defense & Security
+ Film & TV

Exemplary Layouts

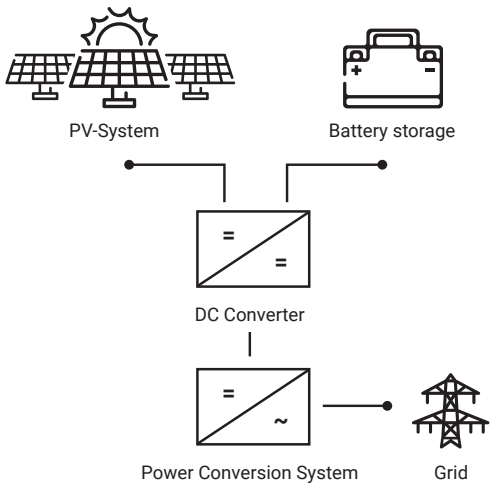
Self consumption optimization	
Peak load requirement	40 kW
Container	10-foot-ISO Container
System voltage	400 V (50 Hz / 3-phase)
AC output	50 kW
Battery capacity	217,8 kWh
Battery voltage	319 – 396 V
Photovoltaics	40 kWp / foldable system
Back-up generator	Diesel generator / 50 kW





Off-grid power system / hybridization diesel generators	
Peak load requirement	80 kW
Container	20-foot-ISO Container
System voltage	400 V (50 Hz / 3-phase)
AC output	100 kW
Battery capacity	871 kWh
Battery voltage	667 - 828 V
Photovoltaics	100 kWp fixed floor mounting
Wind turbine	20 kW
Back-up generator	Diesel generator / 100 kW

Grid connection optimization	
Peak load requirement	2 MW
Container	40-foot-ISO Container
System voltage	400 V (50 Hz / 3-phase)
AC output	2 MW
Battery capacity	2 MWh
Battery voltage	667 - 828 V



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