

CP OAK L

Stacked Battery
Storage for Home



USE CASES



Household Energy Storage

Seamlessly integrate our storage solutions into your home to ensure uninterrupted power supply and maximize the use of renewable energy sources.



Carports

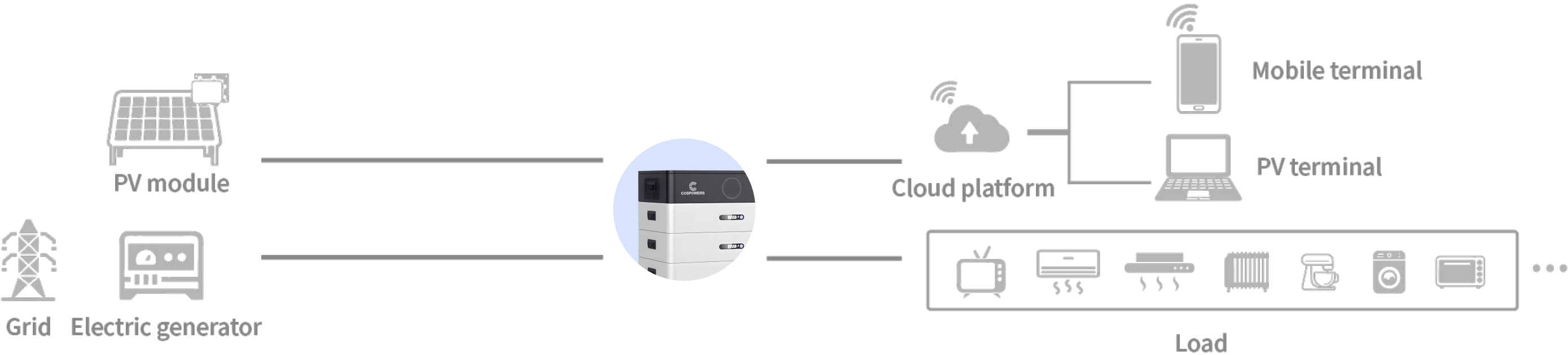
Efficiently charge your electric vehicles and store excess energy with our carport solutions, providing convenience and sustainability for your daily commute.



Off-Grid Living

Achieve total energy independence with our off-grid solutions, designed to provide reliable power in remote locations, ensuring a continuous energy supply.

SYSTEM INFRASTRUCTURE



GRID INPUT PARAMETERS

Grid max charge current	60A	60A	60A	60A
Rated input voltage	220V/230V/240V	220V/230V/240V	220V/230V/240V	220V/230V/240V
Input Voltage Range	UPS grid mode170V-280V;APL generator mode90V-280	UPS grid mode170V-280V;APL generator mode90V-280	UPS grid mode170V-280V;APL generator mode90V-280	UPS grid mode170V-280V;APL generator mode90V-280
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Conversion time (bypass and inverter)	10ms	10ms	10ms	10ms
Maximum bypass overload current	40A	40A	40A	40A

SOLAR ENERGY INPUT PARAMETERS

PV Open-circuit voltage	145V	145V	145V	145V
PV Operating voltage range	60~145V	60~145V	60~145V	60~145V
MPPT voltage range	60~115V	60~115V	60~115V	60~115V
Max PV input current	50A	50A	50A	50A
Max input power	4400W	4400W	4400W	4400W
PV Max charge current	80A	80A	80A	80A

AC OUTPUT PARAMETERS

Output voltage waveform	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave
Output voltage	230A(220/240A)	230A(220/240A)	230A(220/240A)	230A(220/240A)
Rated output power	5000WNA	5000WNA	5000WNA	5000WNA
Output frequency range	50/60Hz±0.3Hz	50/60Hz±0.3Hz	50/60Hz±0.3Hz	50/60Hz±0.3Hz

BATTERY PARAMETERS

Rated voltage	51.2V	51.2V	51.2V	51.2V
Voltage Range	45-57.6V	45-57.6V	45-57.6V	45-57.6V
Energy	5.12kWh	10.24kWh	15.36kWh	20.48kWh
Standard Charge/ Discharge Current	0.25C/0.5C	0.25C/0.5C	0.25C/0.5C	0.25C/0.5C
Max.Charge/Discharge Current	0.5C/1C	0.5C/1C	0.5C/1C	0.5C/1C
Battery Type	LFP	LFP	LFP	LFP
Operating temperature range	0~45°C	0~45°C	0~45°C	0~45°C
Storage temperature range	-15°C~60°C	-15°C~60°C	-15°C~60°C	-15°C~60°C
Humidity	5%~95%	5%~95%	5%~95%	5%~95%
Cooling Method	Air cooling	Air cooling	Air cooling	Air cooling
Weight	87Kg	137Kg	187Kg	237Kg

WORKING CONDITIONS

Size	650*440*345mm	650*440*485mm	650*440*765mm	650*440*765mm
IP Class	IP20	IP20	IP20	IP20
Installation method	On Floor	On Floor	On Floor	On Floor
Communication port	RS485/WIFI	RS485/WIFI	RS485/WIFI	RS485/WIFI

GOT QUESTIONS?

GET IN TOUCH WITH US

Authorised Representative of Cospowers Europe
Dan-Tech Energy GmbH