

CP ASTRA

102kWh Air Cooled
Battery Storage



USE CASES



EV Charging Stations

Enhance the efficiency and reliability of your EV charging infrastructure with energy storage solutions that support peak demand and ensure consistent service for electric vehicle users.



Office Buildings Energy Storage

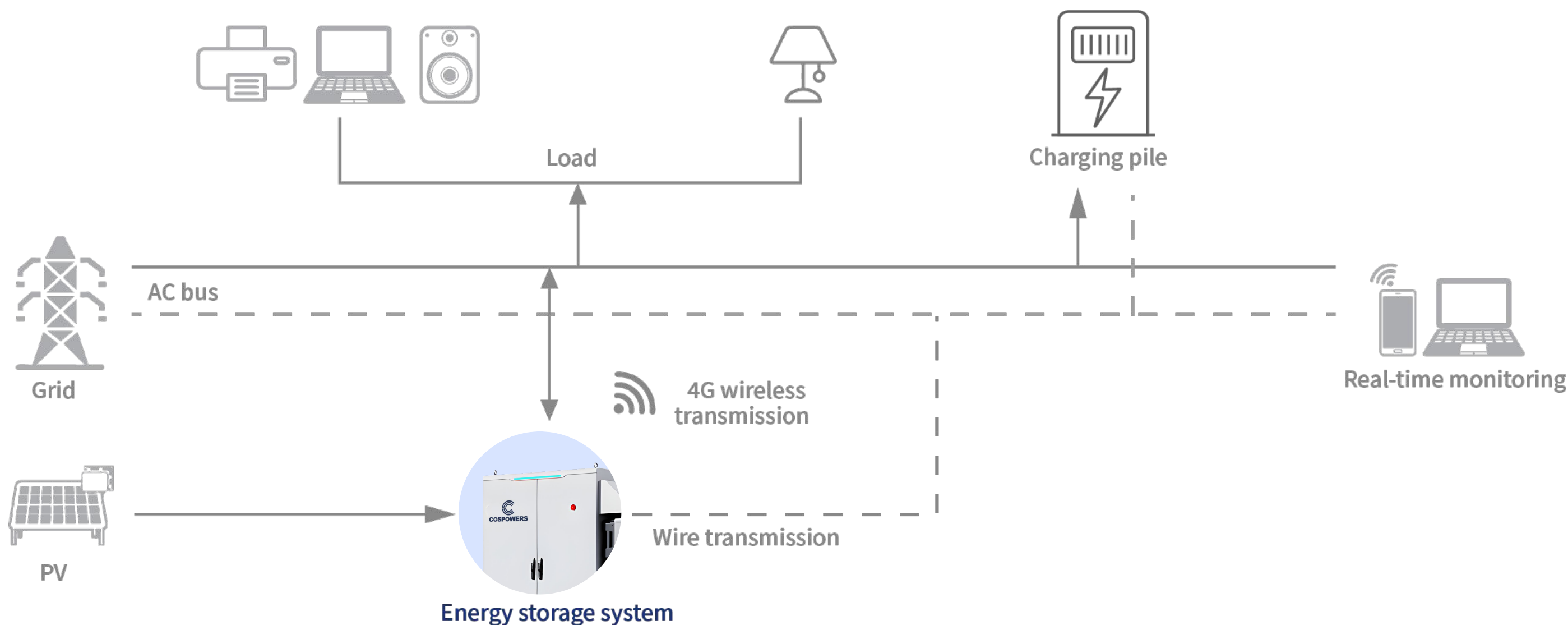
Optimize energy management in office buildings by integrating energy storage solutions that lower utility costs, enhance power reliability, and contribute to a sustainable work environment.



Agriculture Farming

Boost agricultural productivity by using energy storage to manage power supply for irrigation, cooling, and other essential farming operations, reducing costs and improving efficiency.

SYSTEM INFRASTRUCTURE



50kW/102kWh

PV INPUT PARAMETERS

Maximum Input Voltage	1000Vdc
MPPT voltage range	300~750Vdc
Rated power	75kW
MPPT quantity	3

AC GRID CONNECTION PARAMETERS

Maximum input apparent power	55kVA
Maximum input active power	50kW
Rated input voltage	220/400V,3/N/PE
Maximum continuous input current	72A
Rated input frequency	50/60Hz

AC OFF-GRID PARAMETERS

AC off-grid voltage	220/400V,3/N/PE
Maximum continuous output current	72A
AC off-grid frequency	50/60Hz

BATTERY PARAMETERS

Battery Type	LFP
Rated capacity	102kWh
Nominal voltage	512V
Operating voltage range	448~560V
Charge/Discharge Rate	≤0.5C
Battery string	2 channel
Maximum charging current	50A*2

SYSTEM PARAMETERS

HMI	8 inch LCD touch screen
Fire protection system	Perfluorhexone fire protection
Cooling Method	Air cooling
Operating temperature	0°C~55°C
IP Class	IP54
Size	1250*810*1850mm
Weight	<1500Kg

GOT QUESTIONS?

GET IN TOUCH WITH US

Authorised Representative of Cospowers Europe

Dan-Tech Energy GmbH