

# EPCS500-AS



## Key features

### Flexible configuration

- Supports the access of 4 battery clusters and solves battery circulation current.
- Optional STS enables seamless switching between on-grid and off-grid modes.

### Grid friendly

- Equipped with LVRT and HVRT functions.
- Equipped with active and reactive power four-quadrant regulation functions

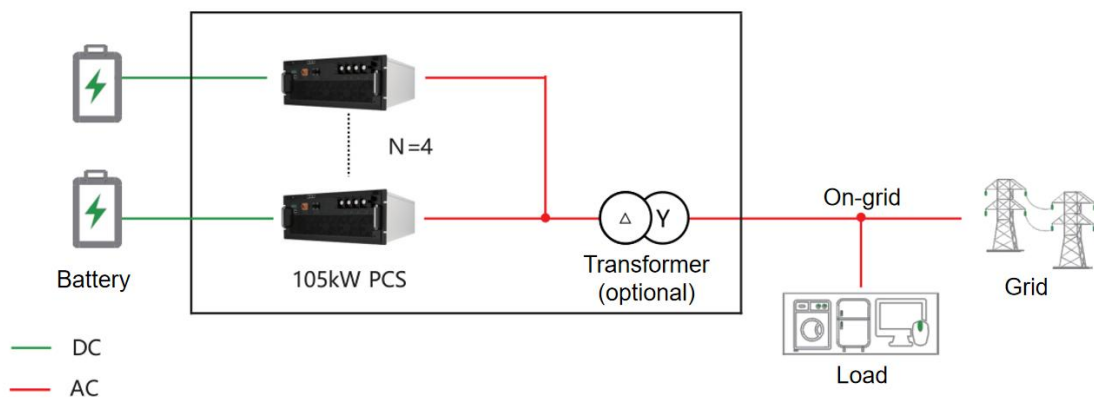
### High efficiency and stability

- Three-level modular design with high conversion efficiency.
- Each module operates independently.

### Intelligent coordination

- Equipped with VSG/PQ/VF multiple operating modes
- Equipped with off-grid parallel operation and black start functions

## Typical applications



# Technical parameters

Specifications and models	EPCS500-AS
<b>DC side</b>	
Operating voltage range	615V ~ 950V/ 650V ~ 950V
Maximum current	203A × 4
Number of DC input channels	4
<b>AC side</b>	
Rated voltage	400V
Rated voltage range	±15%
Rated frequency	50/60Hz
Wiring method	Three phase three wire/three phase four wire
Rated power	500kW
Maximum power	550kW
Maximum current	200A × 4
Power factor	0.99 /-1 ~ 1
Current distortion rate	< 2% (@ rated power)
DC component	< 0.5%
Overload capacity	110% long term
Maximum efficiency	98.5%
<b>General parameters</b>	
Dimensions (width x height x depth)	800 × 2160 × 1050mm
Weight	< 500kg
Altitude	4000m (> 2000m derated use)
Operating temperature	-30°C ~ 55°C (> 45°C derated use)
humidity	0%RH ~ 95%RH, no condensation
Cooling method	Intelligent air cooling
Protection grade	IP20
Means of communication	CAN/RS485/ Ethernet
Compliant with standards	GB/T 34120-2017, GB/T 34133-2017, IEC/EN 62477-1, IEC/EN 62116, IEC/EN 62109-1

\* Actual dimensions and weights are subject to shipment.