

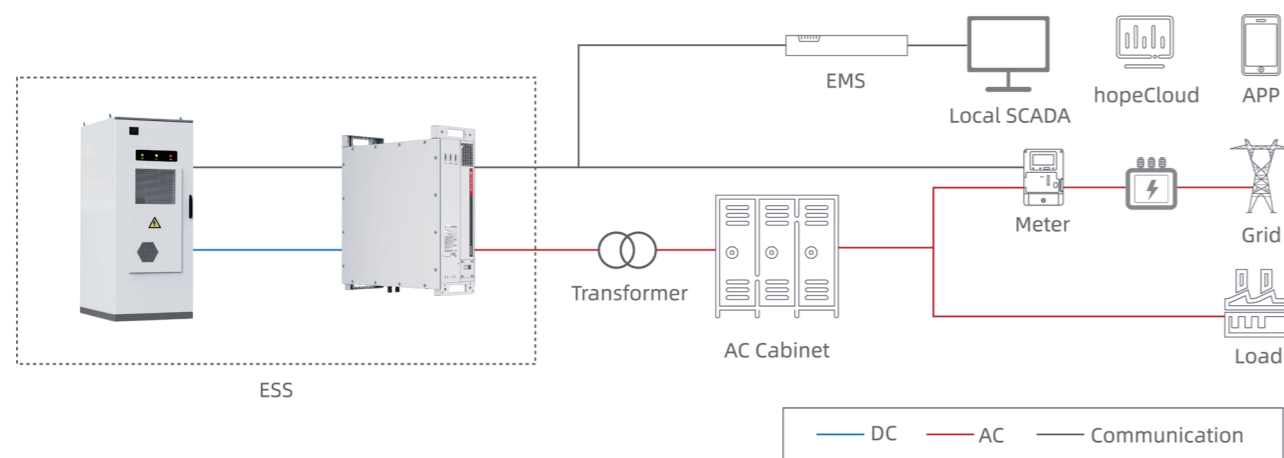
# 172 kW/344 kWh C&I ESS System Solution



## PRODUCT FEATURES

- Easily Set Function Parameters
- Supports Multi-unit Parallel Operation
- Safer Intelligent Fire Protection System
- Various Operating Modes Available For Selection
- Liquid cooling system for efficient heat dissipation and temperature control

## SYSTEM DIAGRAM



## PARAMETERS

Model	172kW/344kWh
<b>Battery Parameters</b>	
Battery Type	LFP-280 Ah
Rated Energy	344 kWh
Configuration	1P384 S
Rated Voltage	1228.8 V
Operating Voltage Range	1075.2~1382.4 V
Rated Charge / Discharge Rate	0.5 P
Dimension (W x H x D)	1033 x 2497 x 1550 mm
Weight	3500 kg
Cycle Life	≥ 6000 times @ 25 °C, 0.5 P/0.5 P, 90 % DOD, 70 % EOL
<b>PCS Parameters</b>	
Rated Power	172 kW
Rated Voltage	690 Vac
Rated Frequency	50 Hz/60 Hz
Frequency Range	45~55 Hz/55~65 Hz
THDi	< 3 % (at rated power)
Power Factor	> 0.99 (> 20 % load)
Power Factor Range	1 (leading) -1 (lagging)
Dimension (W x H x D)	795 x 915 x 294 mm
Weight	≤ 100 kg
<b>System Parameters</b>	
Altitude	< 3000 m (> 2000 m derating)
Operating Temperature	-20 °C ~ +55 °C (> 45 °C derating)
Storage Temperature	-30 °C ~ +60 °C
Ingress Protection	IP55 (PCS IP66)
<b>Transformer Parameters</b>	
Rated Capacity	200 kVA
Primary Voltage / Second Voltage	690 V/400 V Dyn11

