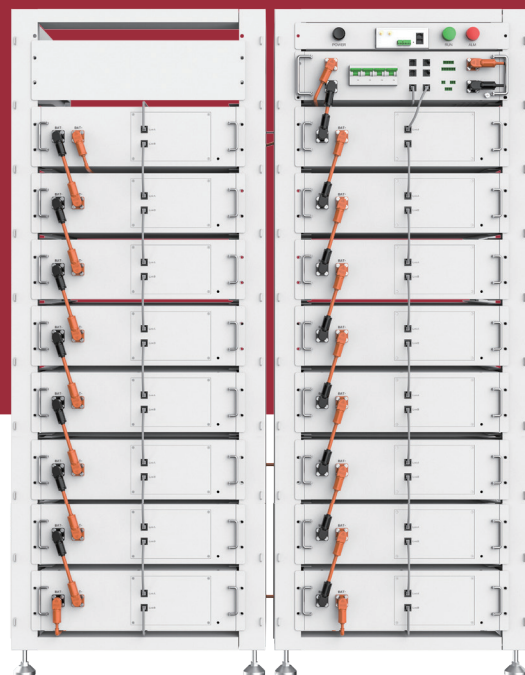




C&I Battery Rack



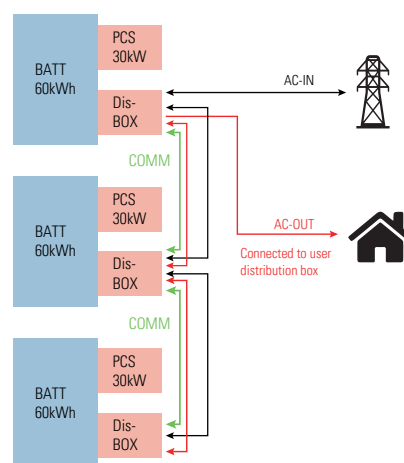
FEATURES

- Easy to install and deploy with large space utilization;
- Unique modular design & flexible function configuration;
- Real time monitoring , remote maintenance and upgrades;
- Strong scalability, simple & convenient expansion on DC sides;

EXPANSION



Expansion in DC side



Topology

SPECIFICATION

System Parameter								
System Model	CIESS25-R	CIESS30-R	CIESS35-R	CIESS40-R	CIESS45-R	CIESS50-R	CIESS55-R	CIESS60-R
Number of battery packs	5	6	7	8	9	10	11	12
Rated voltage	256V	307.2V	358.4V	409.6V	460.8V	512V	563.2V	614.4V
Voltage range	224~284V	268.8~340.8V	313.6~397.6V	371.2~454.4V	417.6~511.2V	464~568V	510.4~624.8V	556.8~681.6V
Rated energy	25.6kWh	30.7kWh	35.8kWh	40.9kWh	46kWh	51.2kWh	56.3kWh	61.4kWh
Usable energy (90%DOD)	23kWh	27.6kWh	32.2kWh	36.8kWh	41.4kWh	46kWh	50.6kWh	55.2kWh
Max.continuous charging/ discharging current	100A/100A	100A/100A	100A/100A	100A/100A	100A/100A	100A/100A	100A/100A	100A/100A
Weight	290kg	335kg	380kg	425kg	520kg	565kg	610kg	655kg
Dimension (W*D*H)	575*450*1500mm				1150*450*1500mm			
Cycle life 6000times (25℃ , 0.5C/0.5C , 90%DOD , EOL70%)								
Communication CAN/RS485/WiFi/ETH								
Expansion Support in parallel up to 3 clusters								
Enclosure protection rating IP21								
Cooling Natural cooling								
ambient temperature	Charge:0-50℃							
	Discharge:−20-50℃							
Humidity 10%~95%RH								
Altitude <2000m								
Short circuit protection Yes								
Over circuit protection Yes								
Over charge protection Yes								
Over discharge protection Yes								
Over voltage protection Yes								
Under voltage protection Yes								
Over temperature protection Yes								
Certifications UN38.3/CE/IEC62619								
Module Parameter								
Module Model B051100S02								
Module Rated voltage 51.2V								
Module Energy 5.12kWh								
Module Dimension (W*D*H) 443*410*135mm								
Module Weight 45kg								