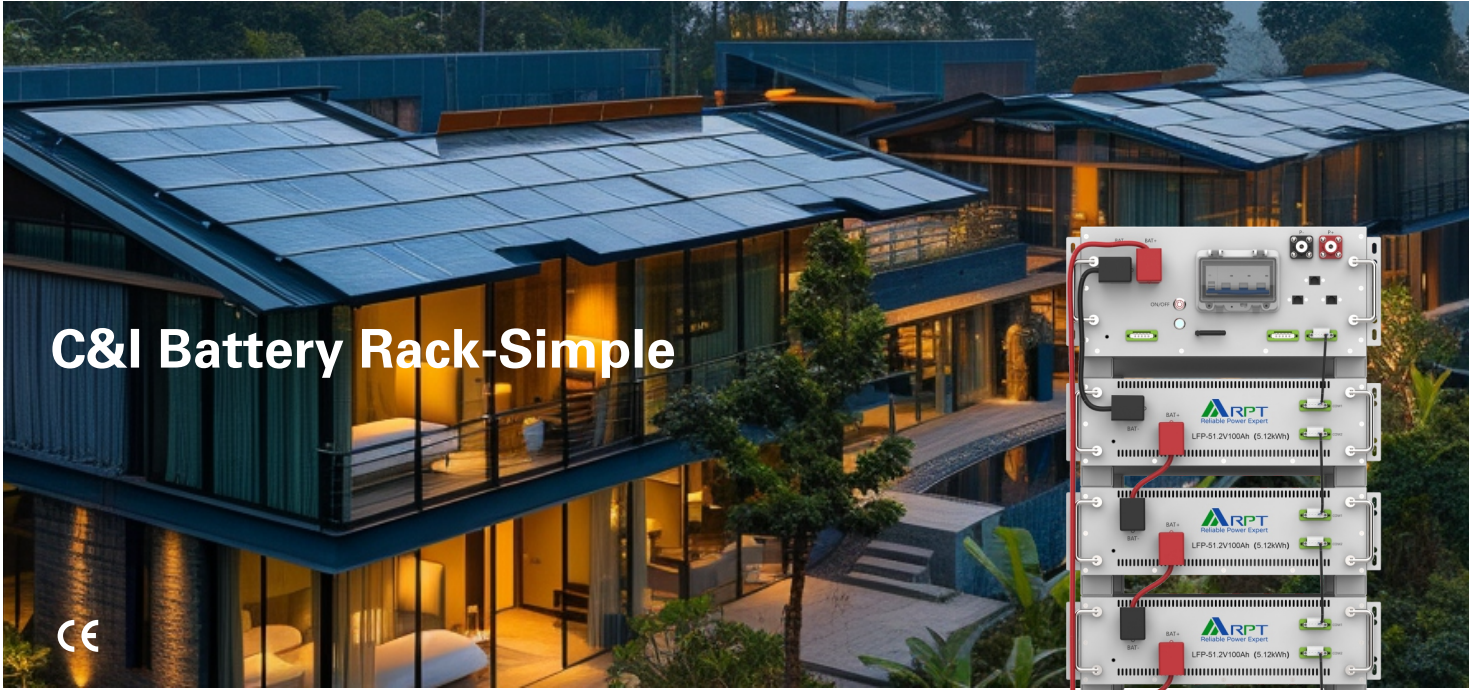




FEATURES

■ Safe&Reliable

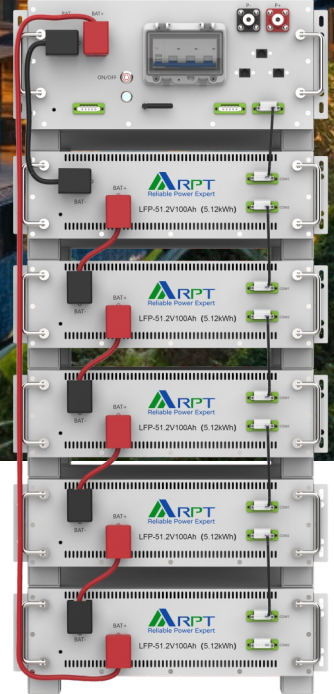
- Lithium batteries offer greater safety and longer lifespan.
- two level structure, intelligent management, and multiple protection.
- Battery pack with active cell balancing can match at will battery module
- Support width voltage 100-750V
- Support max 5 pcs system in parallel

■ Modular Design, Flexible Expansion

- Each battery module has a capacity of 5.12kWh.
- Supporting 4~12 standard modules in series.
- Supports active balancing within the module.
- Matching single-phase and three-phase energy storage inverters.

■ Easy installation and maintenance

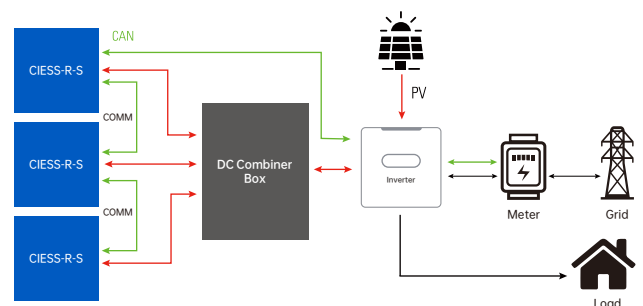
- Standard modular stackable design and rack for easy installation and maintenance.



EXPANSION



Expansion in DC side



Topology

General Parameters

Number Of Battery Packs	4	5	6	7	8	9	10	11	12
Rated voltage	204.8V	256V	307.2V	358.4V	409.6V	460.8V	512V	563.2V	614.4V
Voltage Range	179.2~227.2V	224~284V	268.8~340.8V	313.6~397.6V	371.2~454.4V	417.6~511.2V	464~568V	510~624.8V	556.8~681.6V
Rated Energy	20kWh	25kWh	30kWh	35kWh	40kWh	45kWh	50kWh	55kWh	60kWh
Usable Energy (90%DOD)	18kWh	22.5kWh	27kWh	31.5kWh	36kWh	40.5kWh	45kWh	49.5kWh	54kWh
Charging Current	Max.Charging Current: 100A			Recommended Charging Current: 50A					
Discharging Current	Max.Discharge Current: 100A			Recommended Discharge Current: 50A					
Temperature	Discharging: -20~55℃			Charging: 0℃~55℃		Storage:0-45℃			
Communication Port	CAN/RS485								
IP Rating	IP20 (Natural Heat Dissipation)								
Installation Site	Indoor								
Storage Temperature	0-45℃								
Recommended Depth of Discharge	80%								
Cycle Life	0.5C/0.5C ,25℃ , 6000 times								
Warranty	10 years								
Certification	CE,UN38.3								

Module Parameter

High Voltage Box		Lithium Iron Phosphate Battery-51.2V100Ah	
Working Voltage Range	100~750Vdc	Battery Type	LiFePO4
Nominal Charge and Discharge Current	100/100A	Nominal Voltage	51.2V
Maximum Charge and Discharge Current	125A	Rated Capacity	100Ah
Operating Temperature Range	-20~60°C	Rated Energy	5.12kWh
IP Rating	IP20	Recommended Charge & Discharge Current	50A
Dimension(W/D/H)	442*620*200	Max Charge/Discharge Current	100A
Approximate Weight	25	Charging Temperature	0°C~55°C
		Storage Temperature	-20~55°C
		Dimension(W/D/H)	442*620*134.5mm
		Approximate Weight	45kg