

# ENERGY STORAGE CABINET

For Industrial & Commercial(Air Cooling)

## Flexible Configuration

- Standardized interface for flexible access
- Plug and play modular design
- Off-grid support to 3 sets in Parallel
- Integrated transportation
- On-grid/off-grid optional

## Intelligent Control

- Optimized operation strategy by EMS
- OTA maintenance and monitoring
- Unmanned operation

## Economical and Efficient

- Efficient thermal management design
- High-performance batteries and PCS
- Replaceable pack for easy O&M
- Longer battery life cycle



Off Grid Island



Commercial Buildings



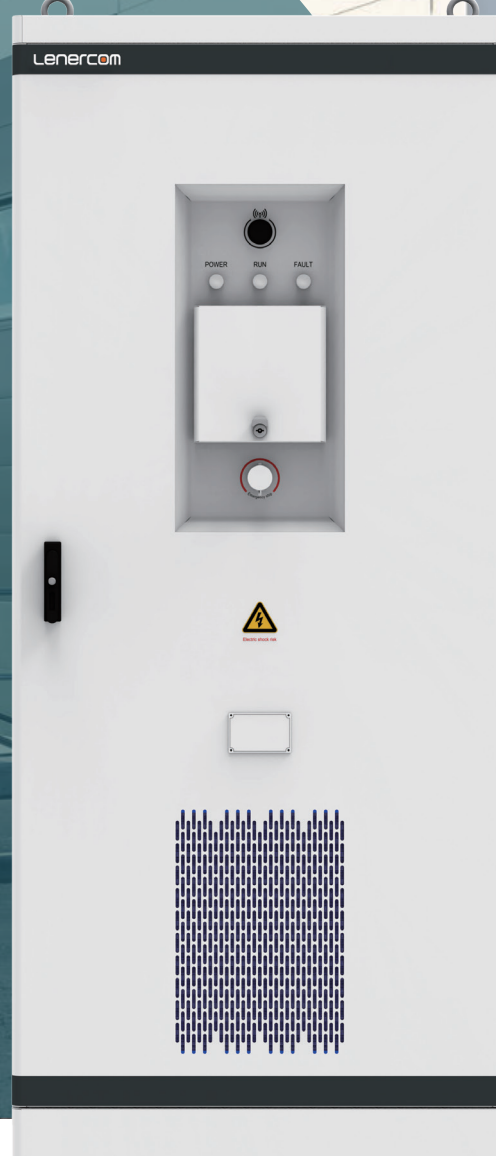
Industrial Parks



PV Storage & EV Charging



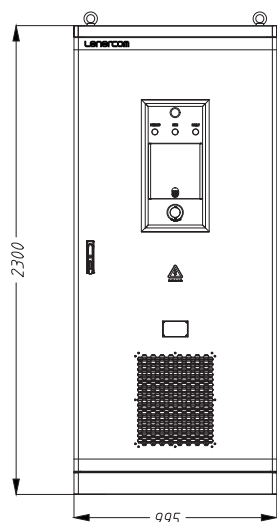
Distribution Grid Expansion



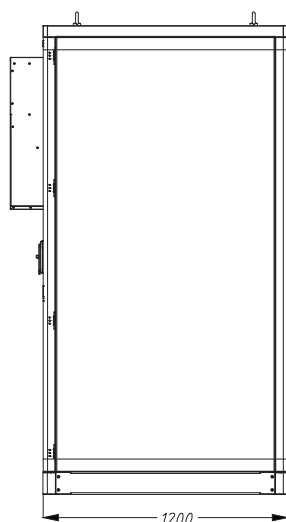
| Technical parameters    | LC-C2-30kW/129kWh / LC-C2-60kW/129kWh |
|-------------------------|---------------------------------------|
| AC Side Parameters      |                                       |
| Nominal Ac Output Power | 30kW/60kW                             |
| Max. AC Output Power    | 33kW/66kW                             |
| Nominal AC Current      | 43A/87A                               |
| Nominal AC Voltage      | 400Vac/230Vac                         |
| AC Voltage Range        | 400Vac+15%                            |
| STS                     | Yes                                   |
| Seamless Switching      | Time ≤ 20ms                           |
| Frequency Range         | 50/60Hz                               |
| THDV                    | <3%                                   |
| Adjustable PF Range     | -1~1                                  |
| Max. Efficiency         | 90%                                   |

| DC Side Parameters      |  |                                     |
|-------------------------|--|-------------------------------------|
| Battery type            |  | LFP/280Ah                           |
| Battery module capacity |  | 14.336kWh                           |
| Number of modules       |  | 1*9                                 |
| Total battery capacity  |  | 129.024kwh                          |
| Nominal voltage         |  | 460.8V                              |
| Operating voltage range |  | 403.2V~518.4V                       |
| Charge/Discharge rate   |  | Max.0.5C                            |
| DoD                     |  | 90%                                 |
| General parameters      |  |                                     |
| Dimensions(WxDxH)       |  | 995*1200*2300                       |
| Weight                  |  | ≤1.6T                               |
| Installation site       |  | Outdoor                             |
| IP protection           |  | IP54                                |
| Anti corrosion level    |  | C3                                  |
| Operation humidity      |  | 5%~95% (No condensing)              |
| Operation temperature   |  | -10°C~+45°C                         |
| Max. operation altitude |  | 2000m                               |
| Communication           |  | 4G;Ethernet;WIFI                    |
| Cooling method          |  | Air conditioner                     |
| Standards               |  | IEC62619-2017;UN38.3;IEC61000-6-2/4 |

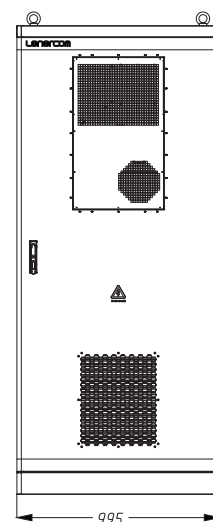
| PCS Product Specifications  | PMA(30kW)                    |
|-----------------------------|------------------------------|
| AC Side Parameters          |                              |
| Nominal AC Output Power     | 30kW                         |
| Input Type                  | Three-phase five-wire system |
| Nominal voltage             | 400Vac+15%                   |
| Nominal AC Current          | 44A                          |
| Number of PCS               | 2                            |
| Adjustable PF Range         | ±1                           |
| DC Side Parameters          |                              |
| Nomina voltage              | 300V                         |
| Voltage range (BAT+/-)      | 50Vdc-950Vdc                 |
| Voltage range (DC+/-)       | 680Vdc-1000Vdc               |
| Nomina Current(BAT+/-)      | 100A                         |
| Current range               | ±100A                        |
| General Parameters          |                              |
| AC/DC start function        | Yes                          |
| Forward switching time      | ≤20ms                        |
| Dimensions(WxHxD)           | 129*436*480mm                |
| Weight                      | 26kg                         |
| Operation Temperature Range | -25°C-45°C                   |
| Operation Humidity Range    | 0~95%(No Condensing)         |
| Cooling Method              | Forced air cooling           |
| Max. Operation Altitude     | 3000m                        |



Front View



Side View

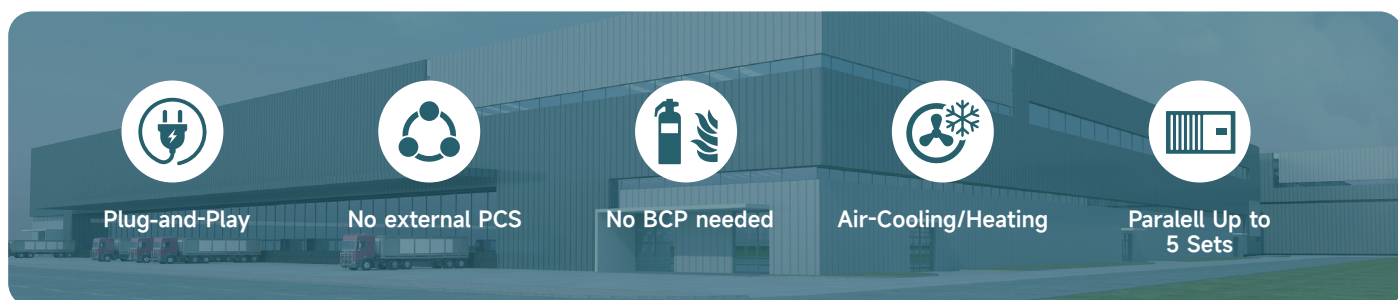
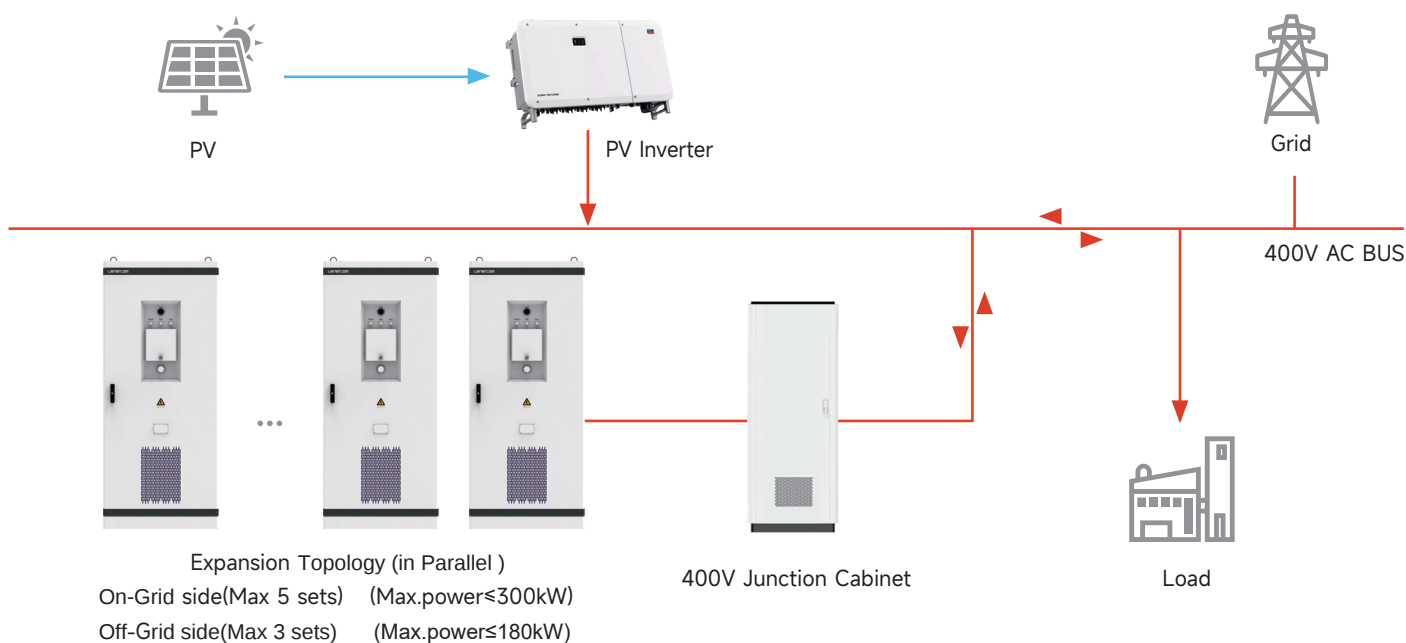


Back View

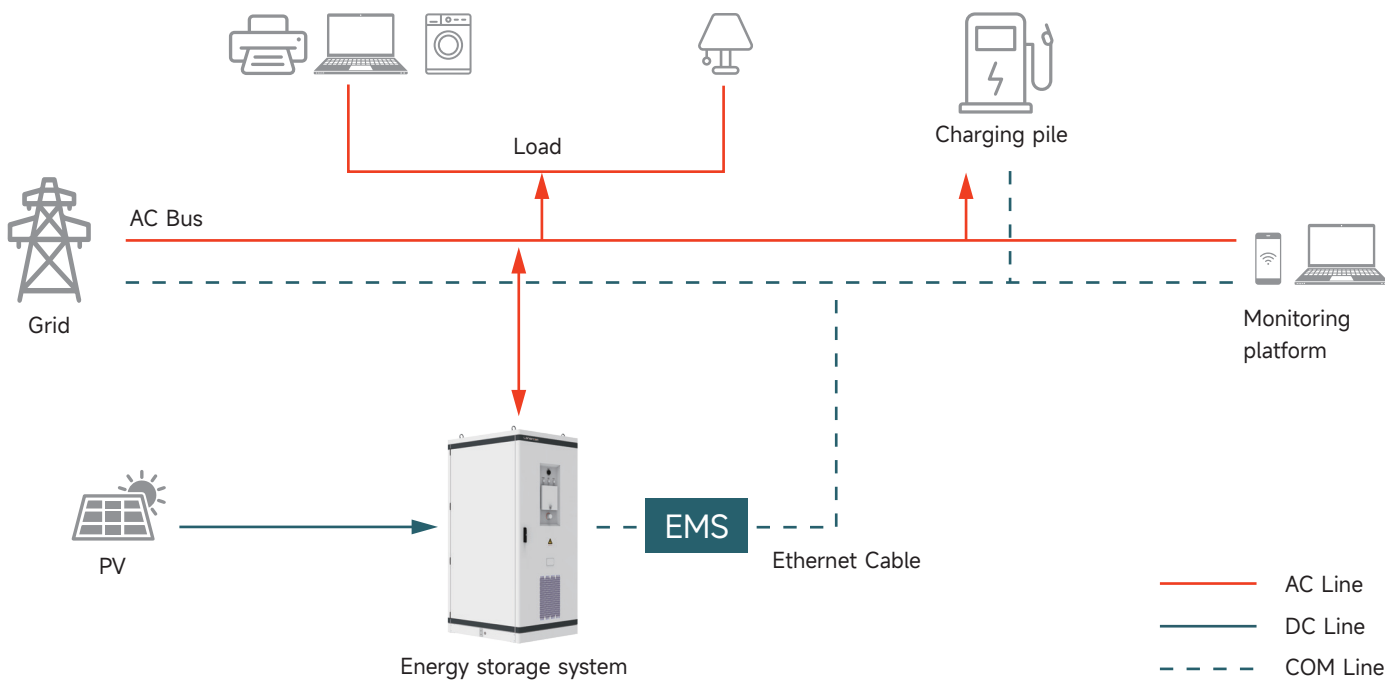


Note: Different projects are configured with different battery PACK quantities and specifications, with slightly different structures.  
 Note: IP54 - Can be put outside provided that it is under cover.

## Product parallel description

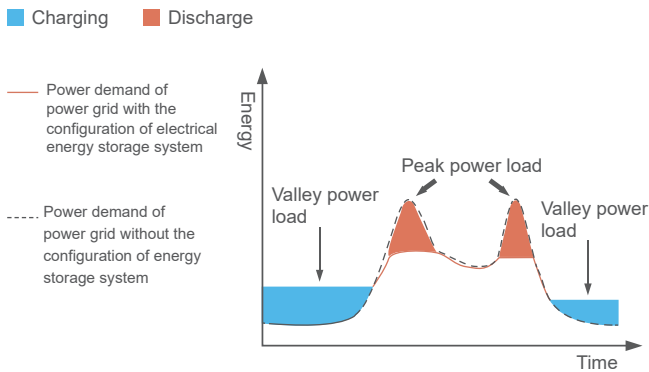


# Product Operation Mode

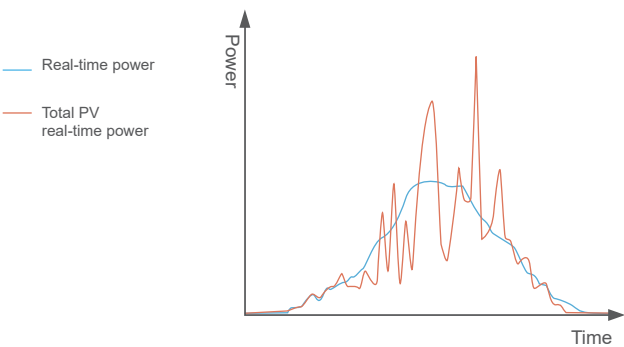


# Product Operation Mode

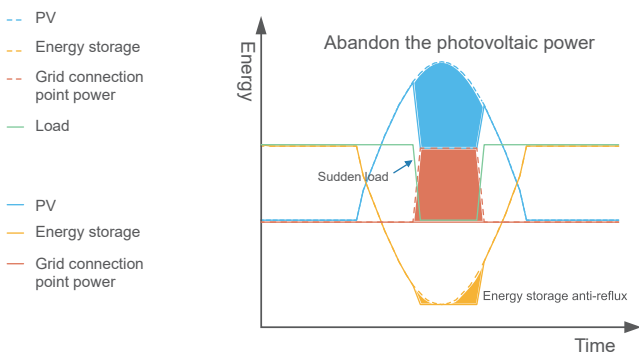
## Peak shaving



## Maximizing photovoltaic utilization



## Anti-reflux



## Anti-exceeding demand

