

...delivers power and safety to your home and backs up your business!

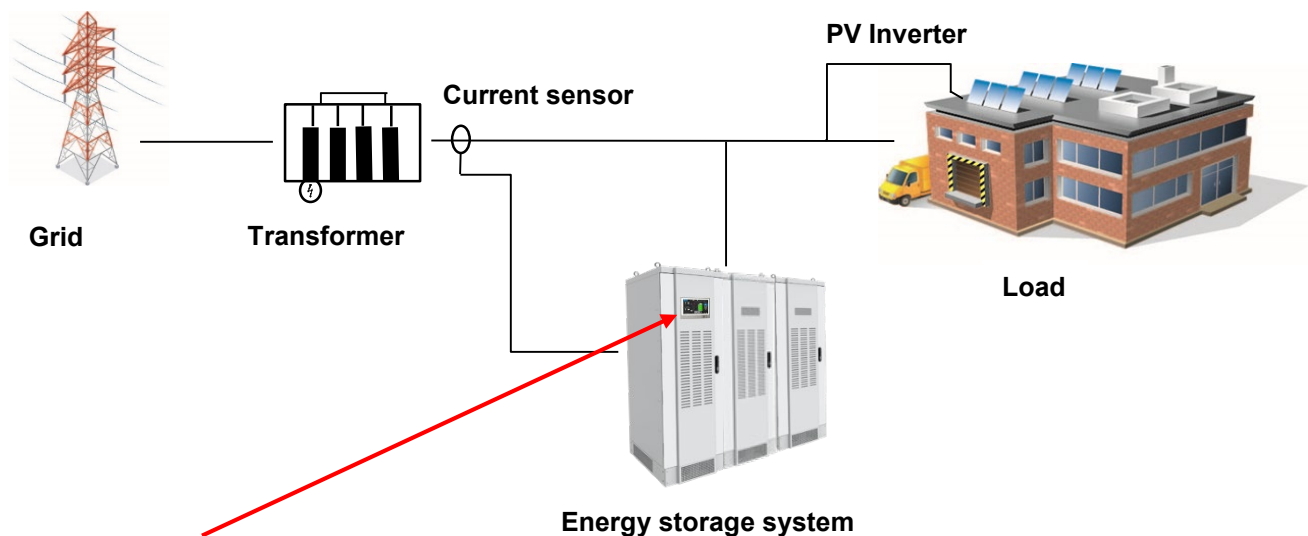
Features and advantages



40,9 kWh Battery cabinet

- Flexible configuration
- Remote monitoring
- Modular Design & rapid installation and easy to operate and maintain.
- Safest Battery & Perfect Compatibility
- High reliability (suitable for various complex environments)
- High DC voltage, low power loss
- Certifications Available

Topological graph



- EMS with professional grid integration
- Integration of photovoltaic systems, battery storage, CHP, EV charging equipment
- Grid safety management
- Active and reactive power management

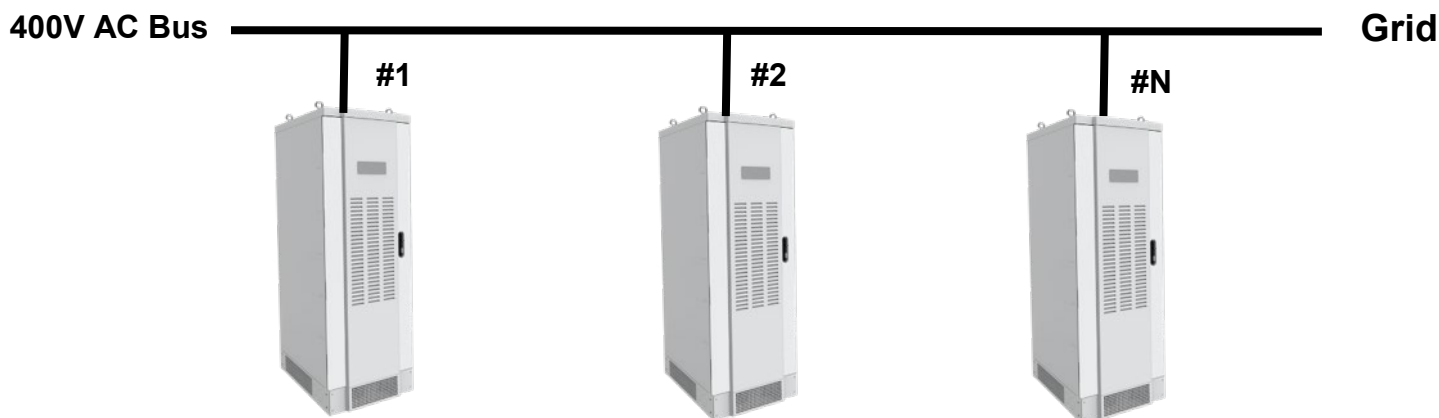


51.2V100Ah Battery pack Solution

Battery solutions								
No.	Item	Unit Topology	Rated voltage [V]	Rated Energy [Ah]	Capacity [kWh]	Weight [kg]	In Series / parallel mode	Remark
1	cell	LFP	3.2	100	0.32	2.25	/	
2	Battery pack with BMU		51.2	100	5.12	48	16 cells for 1P16S	44.8 - 58.4 V
3	Main control box with BCMU		250-1000	/	/	40	8 x battery pack in series control	
4	BESS UNIT		410	100	40,9	384	8 battery pack & main control box in series to PCS	384 - 460 V
5	BESS with BSMU		410	Px100	Px40,9	Px384	P battery rack & main control box in parallel to PCS	

System expansion topology 40 kWh BESS spec.

- ☛ Nominal Power:30kW standard ;
- ☛ AC Output:3phase 400V 50Hz/60Hz
- ☛ Nominal Energy:40.9 kWh standard /unit;
- ☛ DC Nominal Voltage: 410V
- ☛ Voltage range: 384-460V
- ☛ Cycle life :4000(1C charge and discharge, 80%DOD@25°C, EOL 80%)
- ☛ Operating temperature : Charge 0-45 °C,Discharge -20-55 °C
- ☛ Reference certification :UN38.3,IEC62619
- ☛ Weigh: 384 kg (about)



Systems can be working in parallel operation