



# EPS Parallel Box Parallel System

Simplicity | Security | Quick response

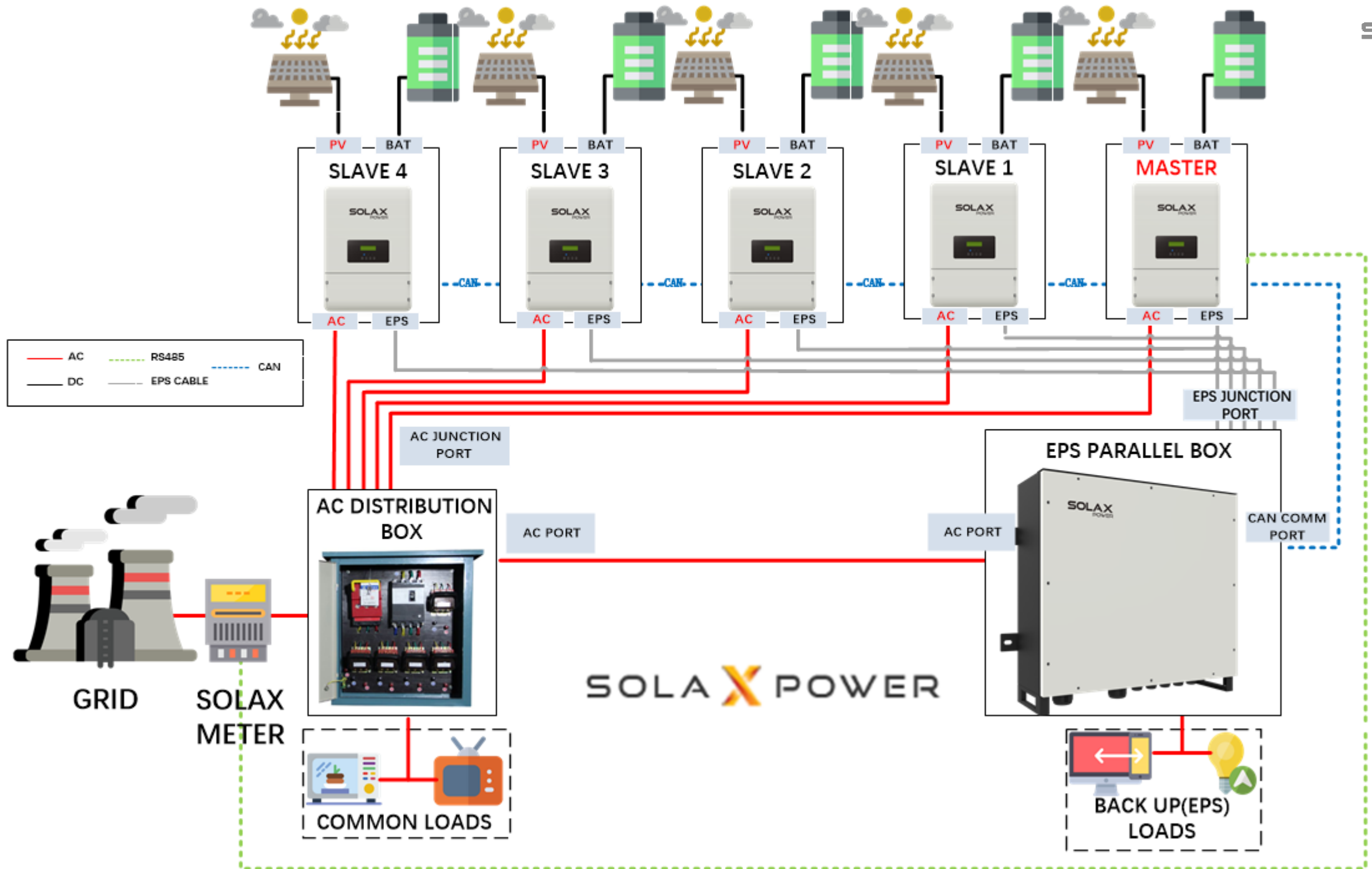
# Three Things About EPS Parallel Box

- **Parallel communication System**
- The inverter can realize multiple parallel communication(1~10), expand the output power of energy storage(5~100kw), and increase the battery storage capacity(23.2~232kWh)
- **Off-grid output**
- When inverter enters EPS mode off-grid, eps parallel box can connect multiple inverters' system, no need multiple EPS boxes
- **Automatic switching**
- Through communication with the master of parallel inverters' system, EPS Parallel Box can realize the control of multiple inverters for automatic control of grid-connected and off-grid output.



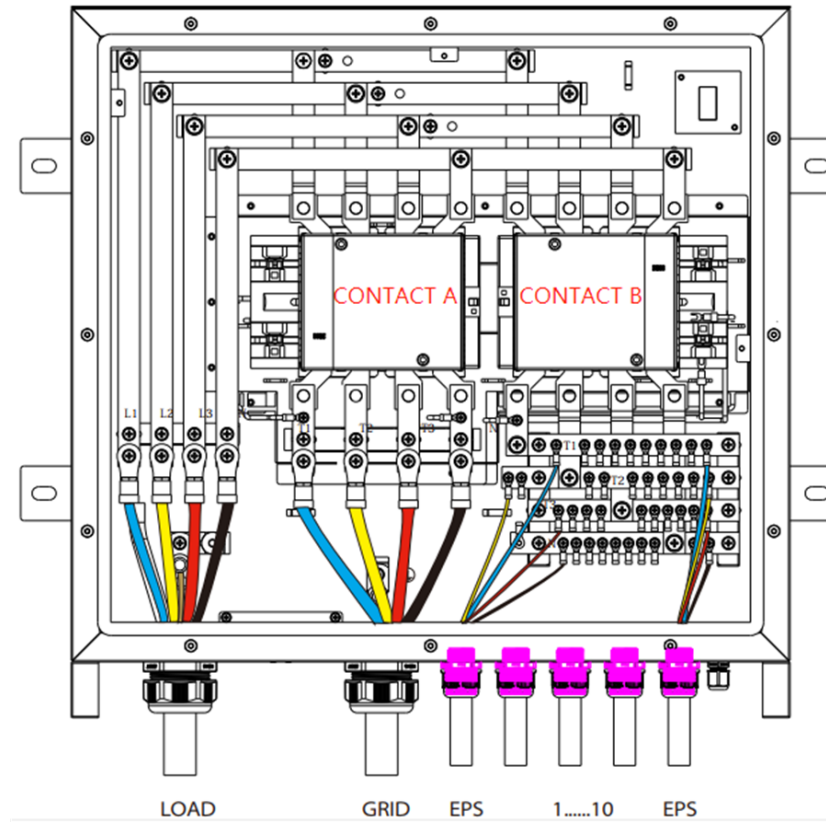
X3 EPS Parallel BOX

Suitable for X3-HYBIRD & FIT INVERTER




# Inside Of EPS parallel Box

## Alternating Current Contactor



## X3-EPS Parallel Box

- Brand  
**Nader** 良信电器
- Model  
NDC1(N)-115



# EPS Parallel Box Working Environment



Ingress  
protection

- Saline-alkali environmental protection
- IP65 outer casing protection grade



Working  
Temp

- Storage Temp:-60°C~+80°C
- Operating Temp:-25°C~+40°C
- Limiting operating Temp:-40°C~+70°C



Operating  
Altitude

- Normal use:  $\leq 3000\text{m}$
- Limit use:  $\leq 5000\text{m}$



Humidity

- Storage Temp:-60°C~+80°C
- Operating Temp:-25°C~+40°C
- Limiting operating Temp:-40°C~+70°C

# SPECIFICATIONS

		X3-EPS-BOX-P5-E/I	X3-EPS-BOX-P10-E/I
<b>GRID</b>			
MAX.AC input current(A)		80	160
Rated AC voltage(V)		230/400VAC; 220/380VAC	
Rated AC frequency(Hz)		50/60	
<b>EPS</b>			
MAX. No. of inverter connected		5	10
MAX input EPS power(VA)		50K	100K
Rated EPS input voltage(V)		230/400VAC; 220/380VAC	
Rated EPS input current(A)(@230AC)		5 strings, 14.5A for each string	10 strings, 14.5A for each string
<b>Load</b>			
Rated Load output current(A)(@230AC), grid mode		72.5	145
MAX. Load output current(A), grid mode		80	160
Rated Load output current(A)(@230AC), EPS mode		72.5	145
Rated Grid voltage(V)		230/400VAC; 220/380VAC	
Rated Grid frequency(Hz)		50/60	
<b>General Data</b>			
Dimension(mm)		630*613*207	TBD
Dimension of packing (mm)		795*710*280	TBD
Weight(kg)		29.85	TBD
Standard Operating temperature (°C)		-5~+40	
Degree of protection		IP65	
Installation		wall-mounted	
Open cover		needed, salt mist35±2°C, 24H*7	
Connection direction		down-in, down-out	
Communication interface		I/O	
Safety		IEC62109、IEC61477、IEC61439	

# Unique Selling Proposition

## Automatically Switch

The parallel box will communicate with the Master inverter. When the black out happen , the entire Hybrid system will enter into the EPS mode within 0.5S.And to provide energy for a specific loads.

(The specific changeover time depends on the

## Various application scenarios

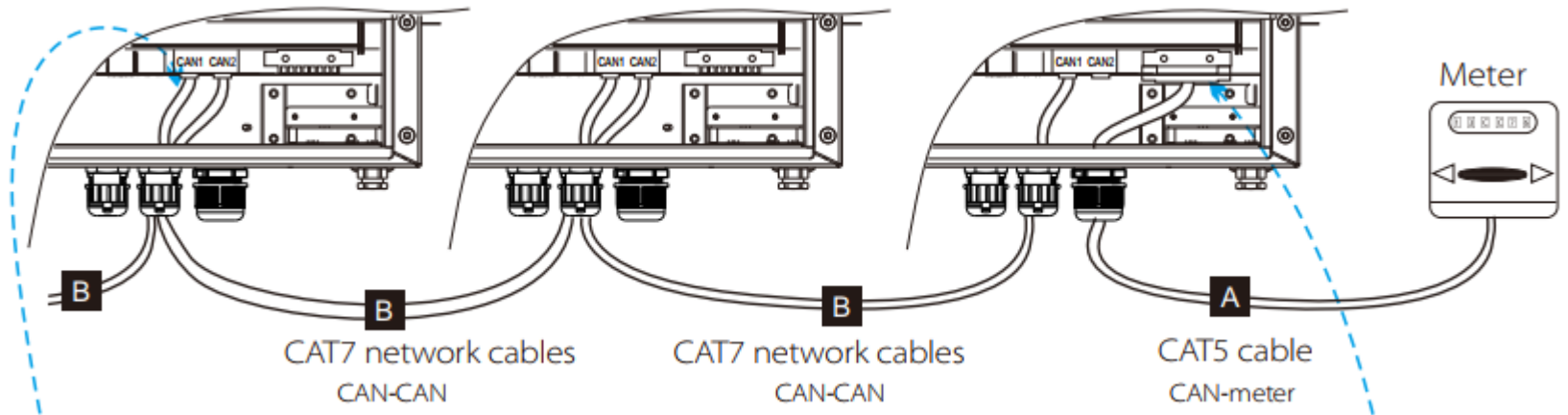
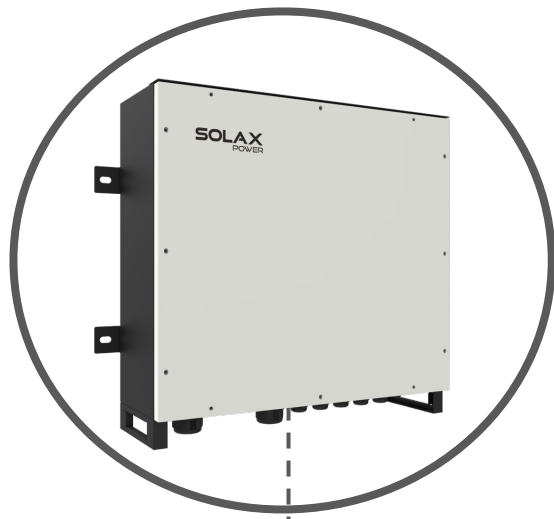
- Can be used in environments where blackout occurs frequently
- It can also be used in a 100% off-grid situation and can provide continuous power for large loads such water pumps and motors

## More powerful power

Inverter is connected through the EPS parallel box to form an energy storage system. The entire system provides greater power to the loads, batteries are connected in series to increase the

capacity(22.2-116kWh)

# Parallel BOX FEATURES



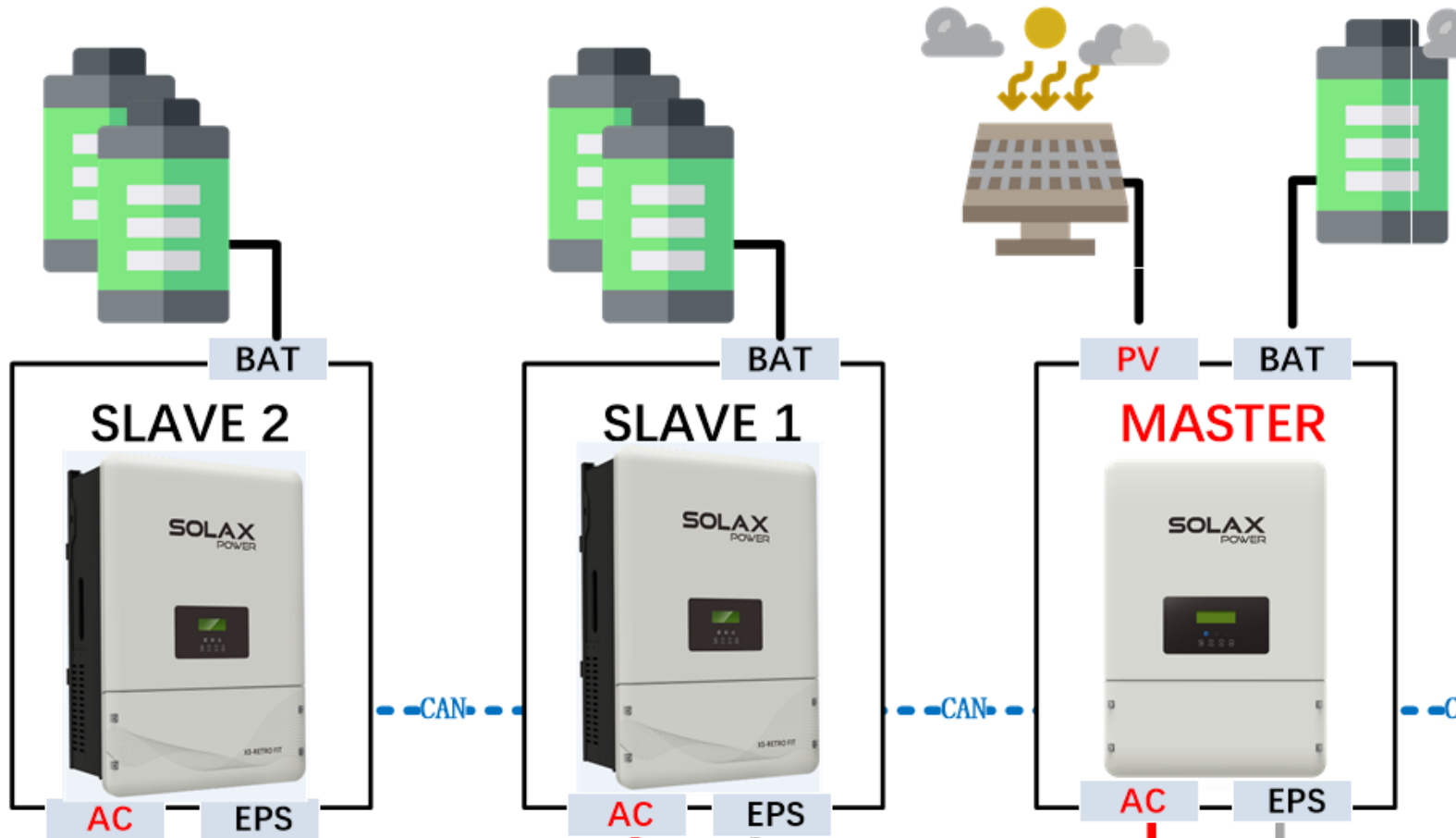
The next-generation Hybrid inverter will use the built-in EPS device design

(Reserving external box options)

One battery storage system only need one meter to get data & zero injection control



# Parallel BOX FEATURES



Flexible parallel mode

Solax Hybrid can parallel with Retro Fit inverter in parallel

If you have a limited number of PV panels, you can use this method to increase the battery capacity and obtain longer battery energy supply.

A modern building at night with a large glass facade and a SOLAX power inverter mounted on the exterior wall. The building is illuminated from within, showing a modern interior with a lounge area. The sky is dark blue, and the surrounding area is green grass.

# THANKS

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