Silently Powering Your World
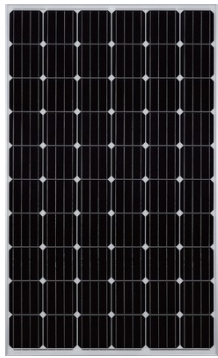
Backup Power Function Introduction

AGENDA

1. SOLUTION

2. SCHEMATIC

3. FEATURES

4. SPECFICATION

5. SETTINGS

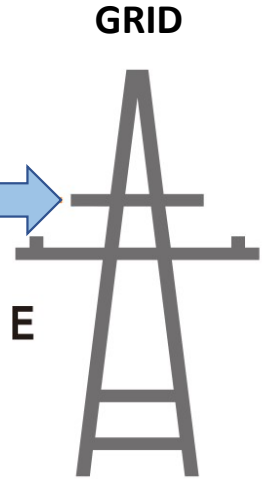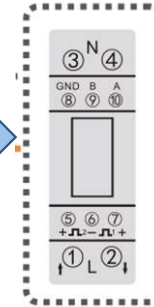6. MONITOR

SOLUTION

Smart Meter Or CT Clamp
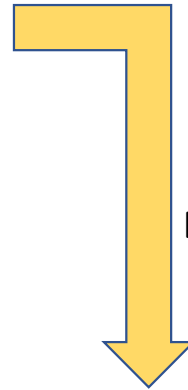
GRID

Solar Power: 8kW

Battery: 0-20kWh

EPS Load

Normal Load

E

SCHEMATIC

DC Switch

DC Switch

AC Breaker

EPS Load

Load

AC Breaker

LXP Meter

Main Breaker

PE

PE N L   PE N L
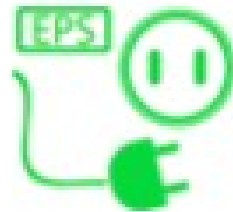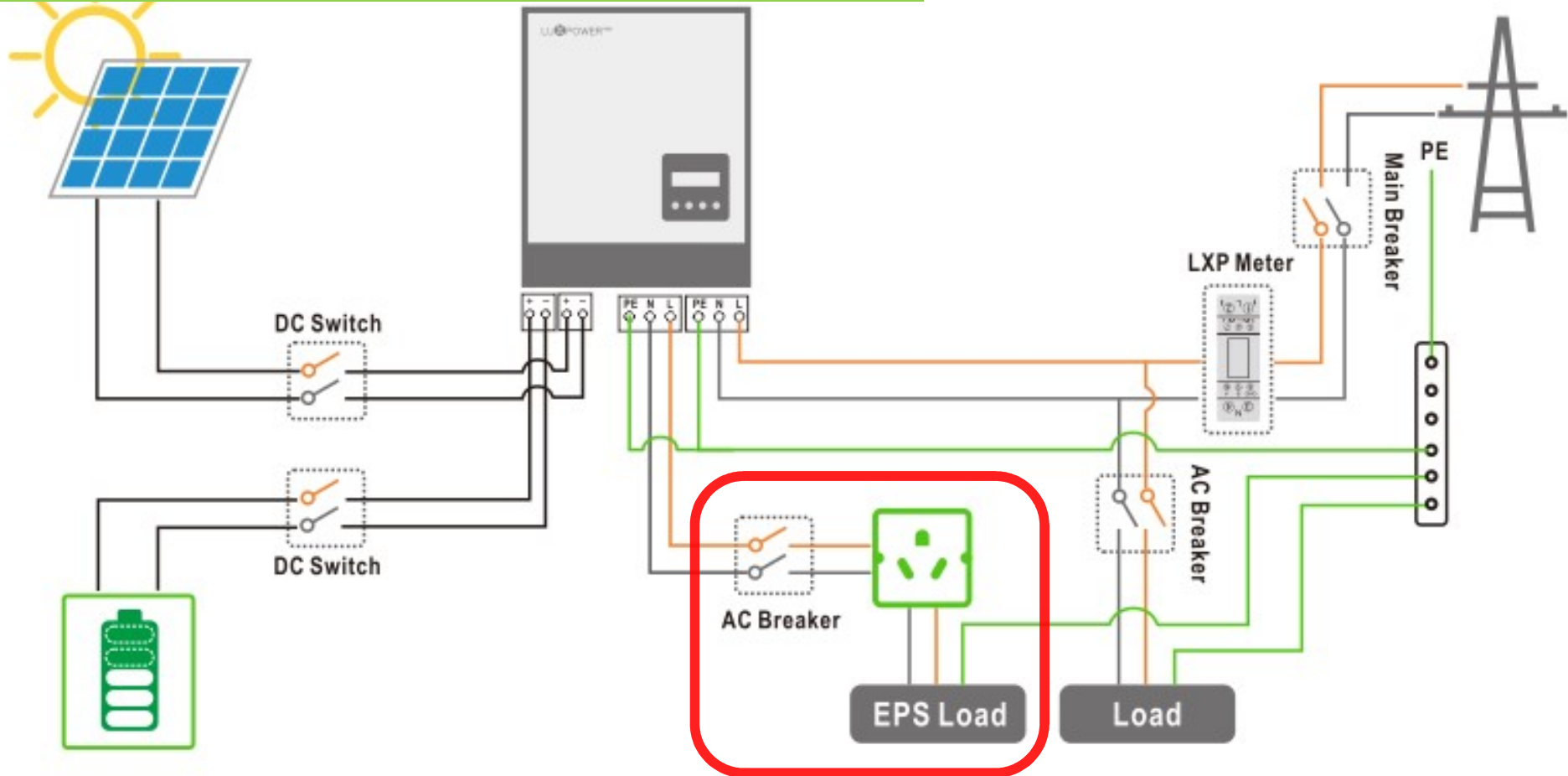
No External Box or Controller, EASY！！！

k.com

SCHEMATIC---INTERFACE

Battery Interface — PV Input — PV input Breaker — Wifi Module — Communication Interface Group — EPS Terminal — Grid Terminal

www.luxpowertek.com
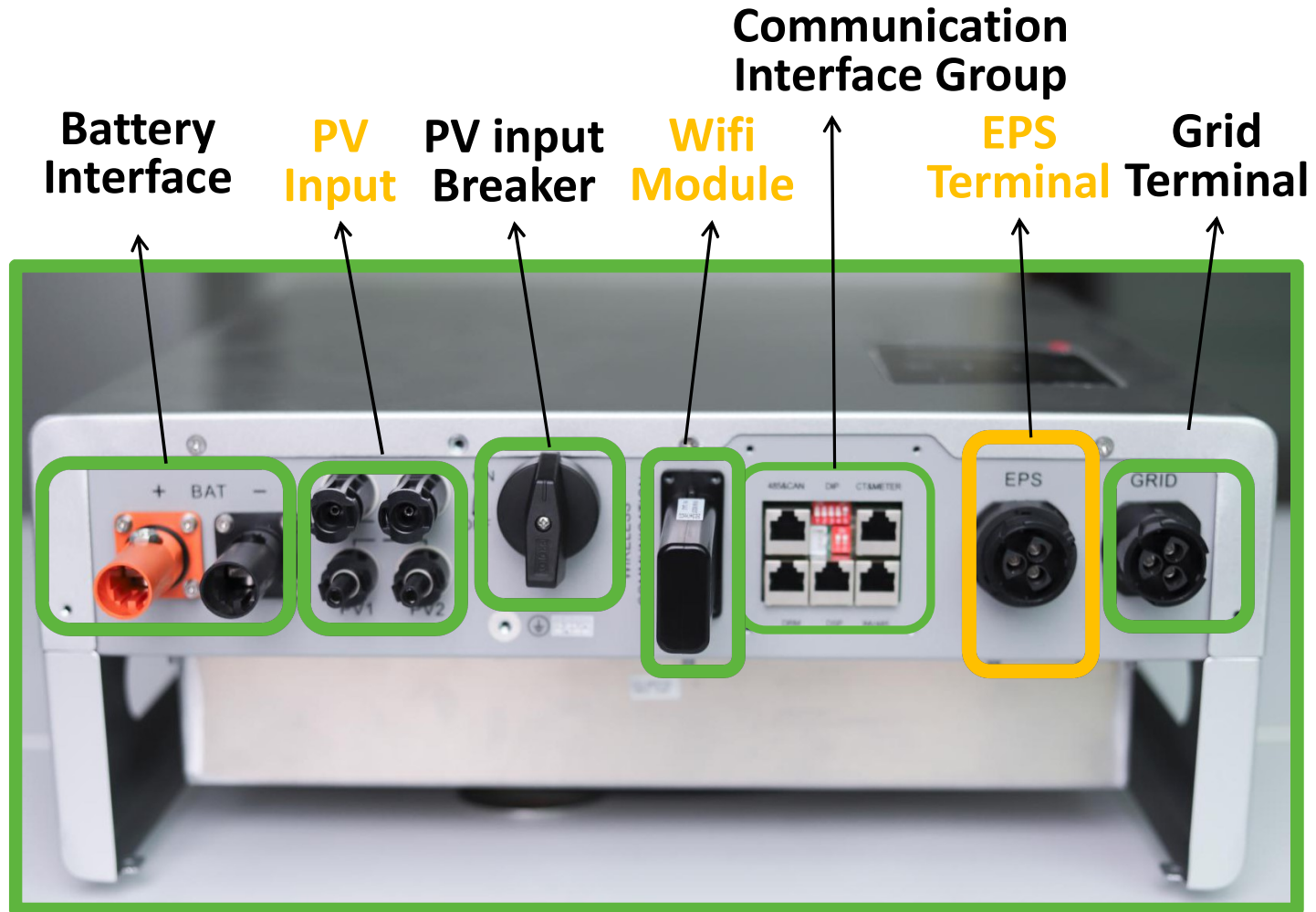
FEATURES--EASY TO INSTALL

➢ Integrated backup function, do not need any accessories

➢ All fast install teminals

➢ Easy online settings for backup function

FEATURES--Flexible for paralleling

➤ Support single phase backup power paralleling function, 10 pcs max

➤ Support three phase backup power paralleling function, can be different quantity in different phase

SPECIFICATION

Specification of Power Backup

Parameter	LXP-5K Hybrid
Battery Input	40-60V
Max Discharge Current	80A，40minutes For Hardware Version 1.0 continuously 80A For Hardware Version 2.0
Max Charge Current	80A，40minutes For Hardware Version 1.0 continuously 80A For Hardware Version 2.0
Max Output Backup Power(Without Solar)	4000W
Max Output Backup Power(With Solar)	5000W
Switch Time	Auto Seamless Swith, Typical 10ms
Parallel for Backup	Support 10pcs paralleling

SETTINGS

Settings about power backup function

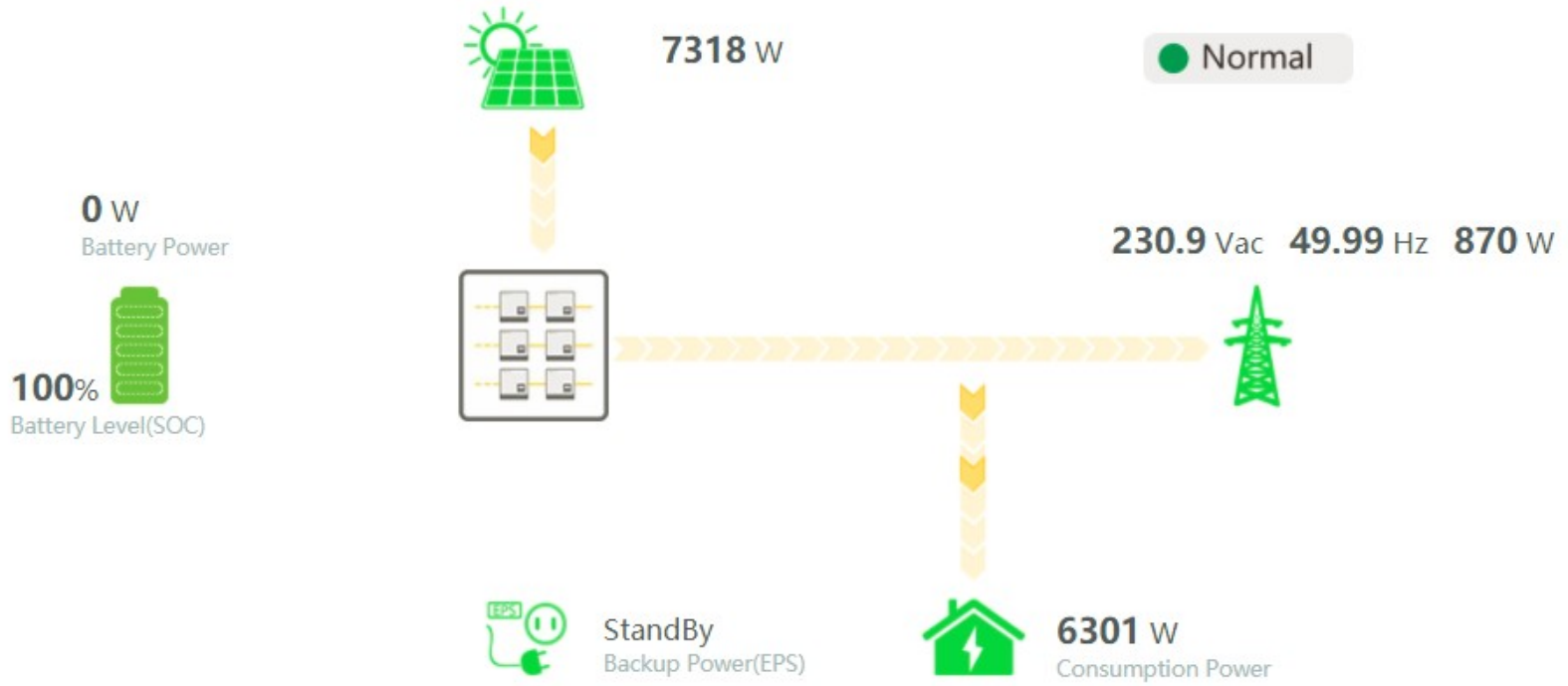| SETTINGS	Explanation
Power Backup Enable/Disable	If customer want to have backup power when grid interrupted, then enable backup function, this function should be set in standby mode
Seamless EPS Switching Enable/Disable	When enabled, the switch time is about 10ms when grid interrupted, do not recommend to enable if the grid frequency is not stable
PV Grid Off Enable/Disable	when enabled, system will go to offgrid mode even though there is no battery in the system, at this time, power is supplied by solar, so it may not stable
Off-grid Discharge Cut-off SOC	When battery level is lower than this setting, inverter will stop discharging and exist off grid mode
Discharge Cut-off Voltage	For lead acid battery, if battery voltage is lower than this setting, inverter will stop discharging and exist off grid mode

MONITOR

MONITOR--single phase

Realtime System Information

7318 W

● Normal

0 W
Battery Power

230.9 Vac **49.99** Hz **870** W

100%
Battery Level(SOC)

StandBy
Backup Power(EPS)

6301 W
Consumption Power

MONITOR--three phase

Realtime System Information

489 W

● Normal

0 W
Battery Power

226.3 Vac 50.01 Hz 0 W
231.4 Vac 50.01 Hz 0 W
224.1 Vac 50.01 Hz 3687 W

100%
Battery Level(SOC)

StandBy
Backup Power(EPS)

96 W
384 W
3687 W
Consumption Power

www.luxpowertek.com
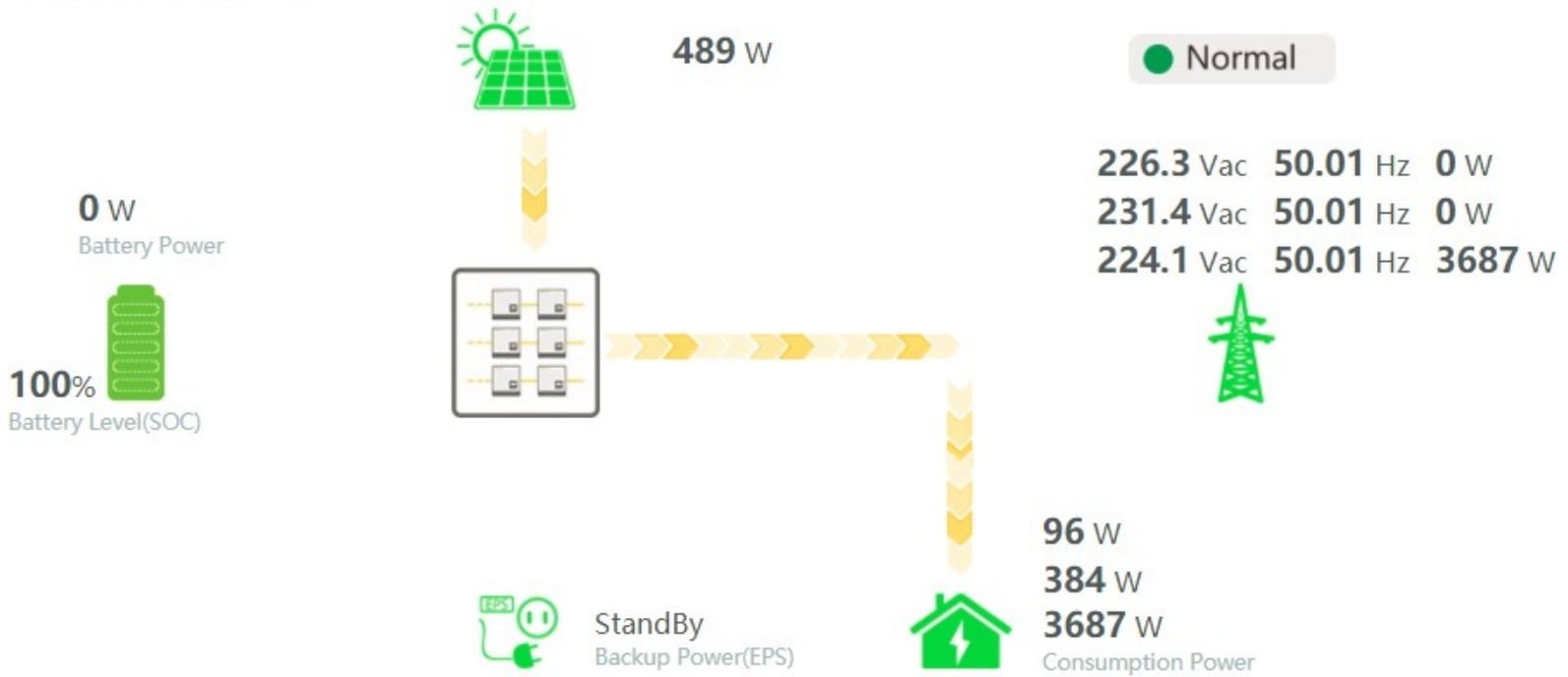
Keep
in Touch

Where sun shined

Power always on!

E-mail   info@luxpowertek.com

Telephone +86 755 8572 9056

Website   www.luxpowertek.com

Address   Shenzhen, China