

STACK 3.0 LFP100-51.2V 5.12Kwh

LiFePo4 Battery for Home Storage and Commercial Use



▶ Wireless Stack Design

Modules are connected in series without the wire connector, enhance the looks and safety with high voltage system efficiency.

▶ Thermal Management:

Temperature detection of key parts, cell, power plug-in, etc.

▶ Low Temperature Working:

The heating function is optional to meet the application scenarios for the low temperature snow areas.

▶ Build Quality

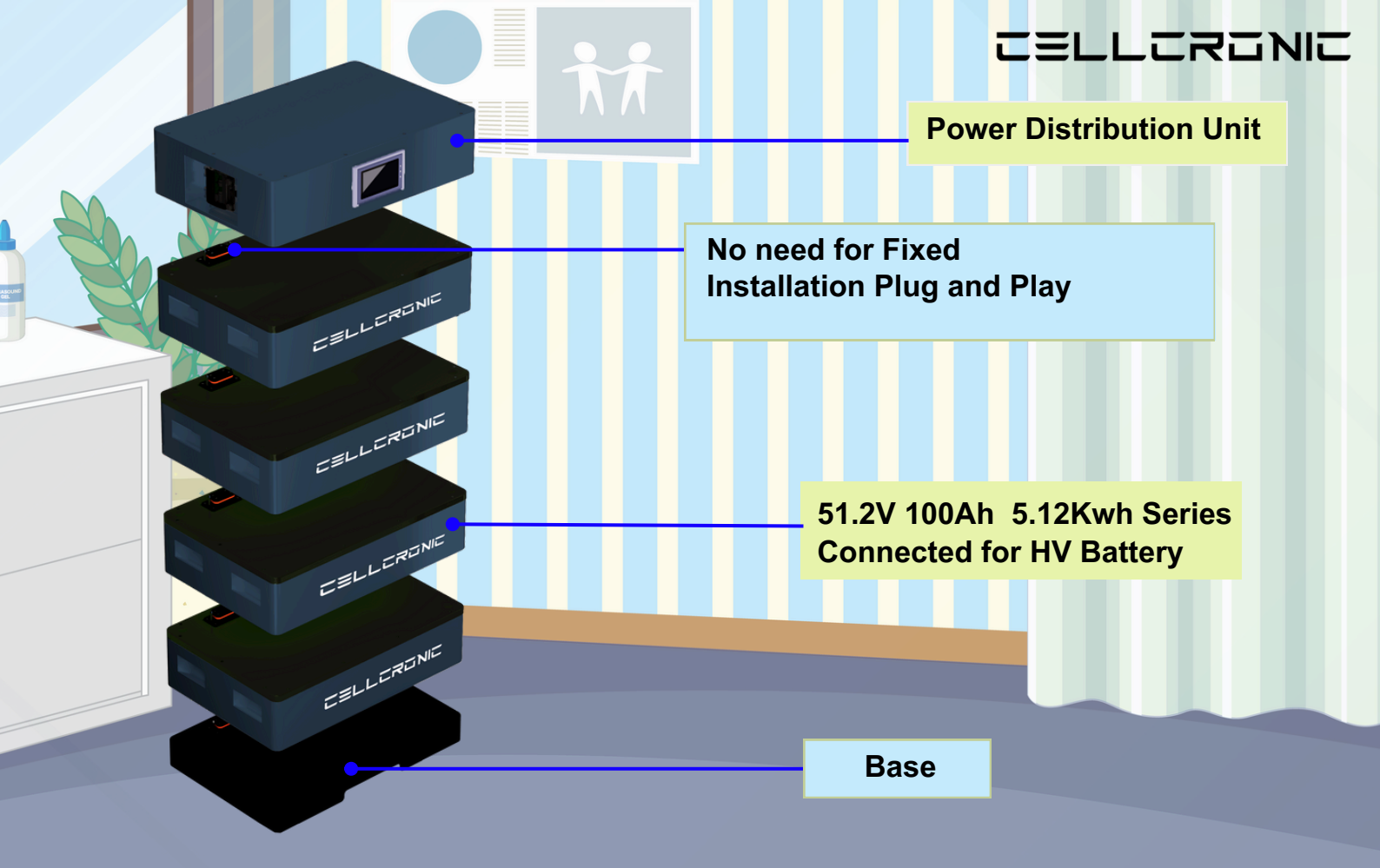
Meet high seismic grade zone 4

▶ Remote Monitoring:

Support remote upgrade, real-time battery warning information push, LCD data display.



5.12Kwh



Power Distribution Unit

No need for Fixed Installation Plug and Play

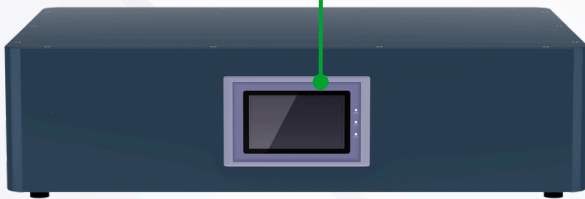
51.2V 100Ah 5.12Kwh Series Connected for HV Battery

Base

PRODUCT DISCRPTION

INTERFACE DEFINITION

4.3-inch touch screen
Show battery information



Power Connector

For battery pack connect in Series



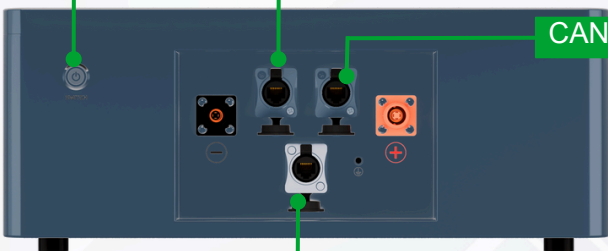
SWITCH

RS485

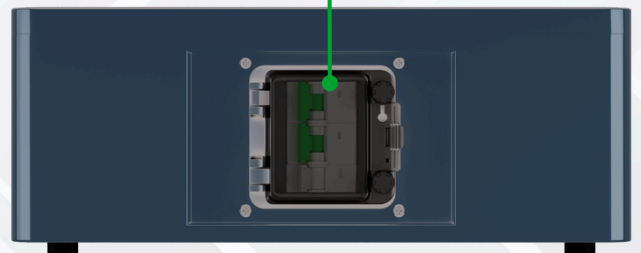
CAN

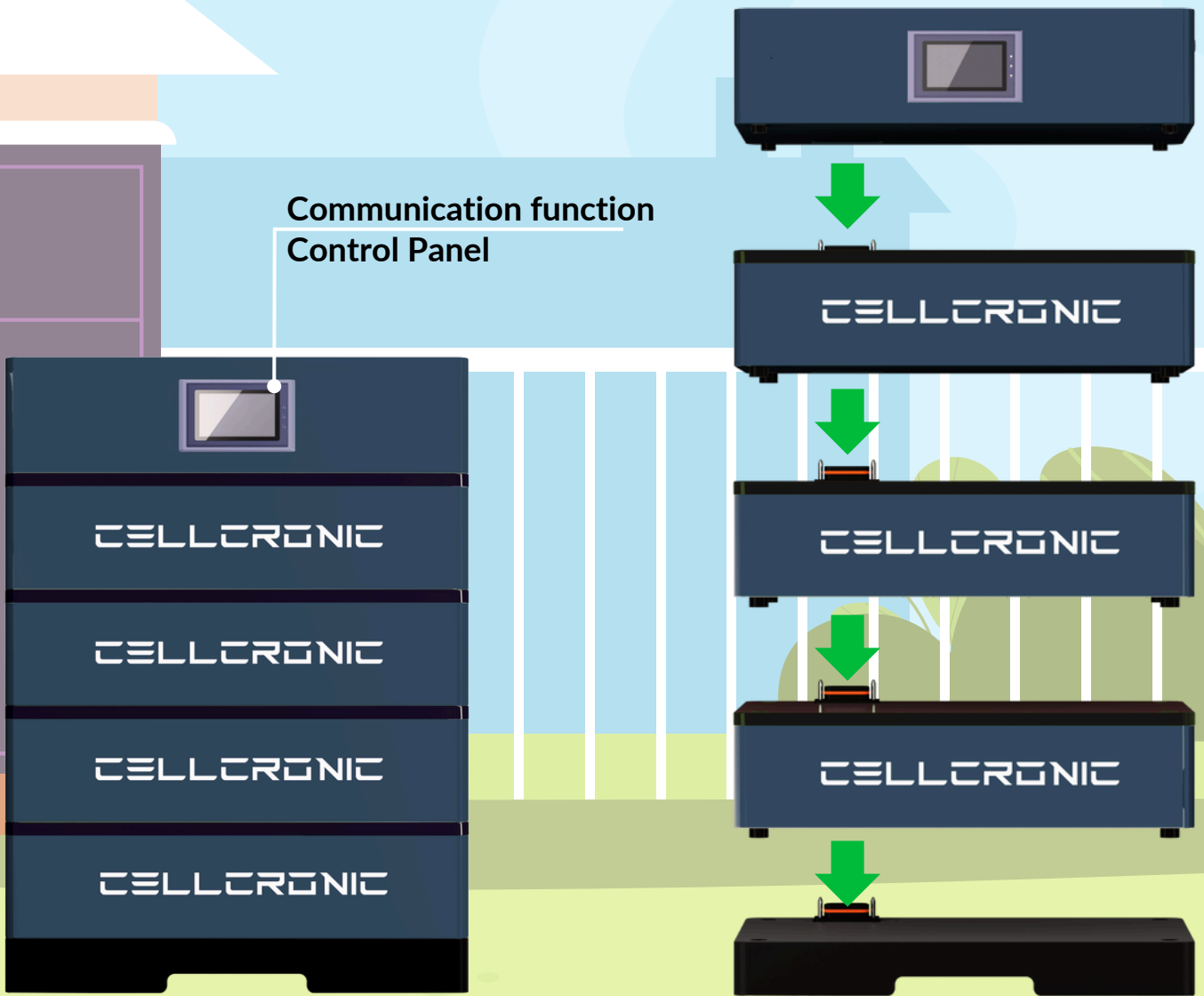
Air Switch

Current Protection



CAN (INV)





SAFEST LIFEPO4 BATTERY

Single battery module is 51.2V 100Ah 5.12Kwh

Constructed with advanced Lithium Iron Phosphate (LiFePO4) technology, this 100Ah battery is designed for exceptional longevity. With over 6,000 recharge cycles at 80% depth of discharge (DOD), it offers a lifespan five times longer than standard SLA batteries. Equipped with an intelligent Battery Management Unit (BMU), it provides real-time monitoring to ensure optimal performance. This battery is the premier home energy storage solution available on the market.



Smart 100A BMU



6000+ life cycle at 80% DOD



5 years warranty



Support up to 12pcs Series



Long Service Life



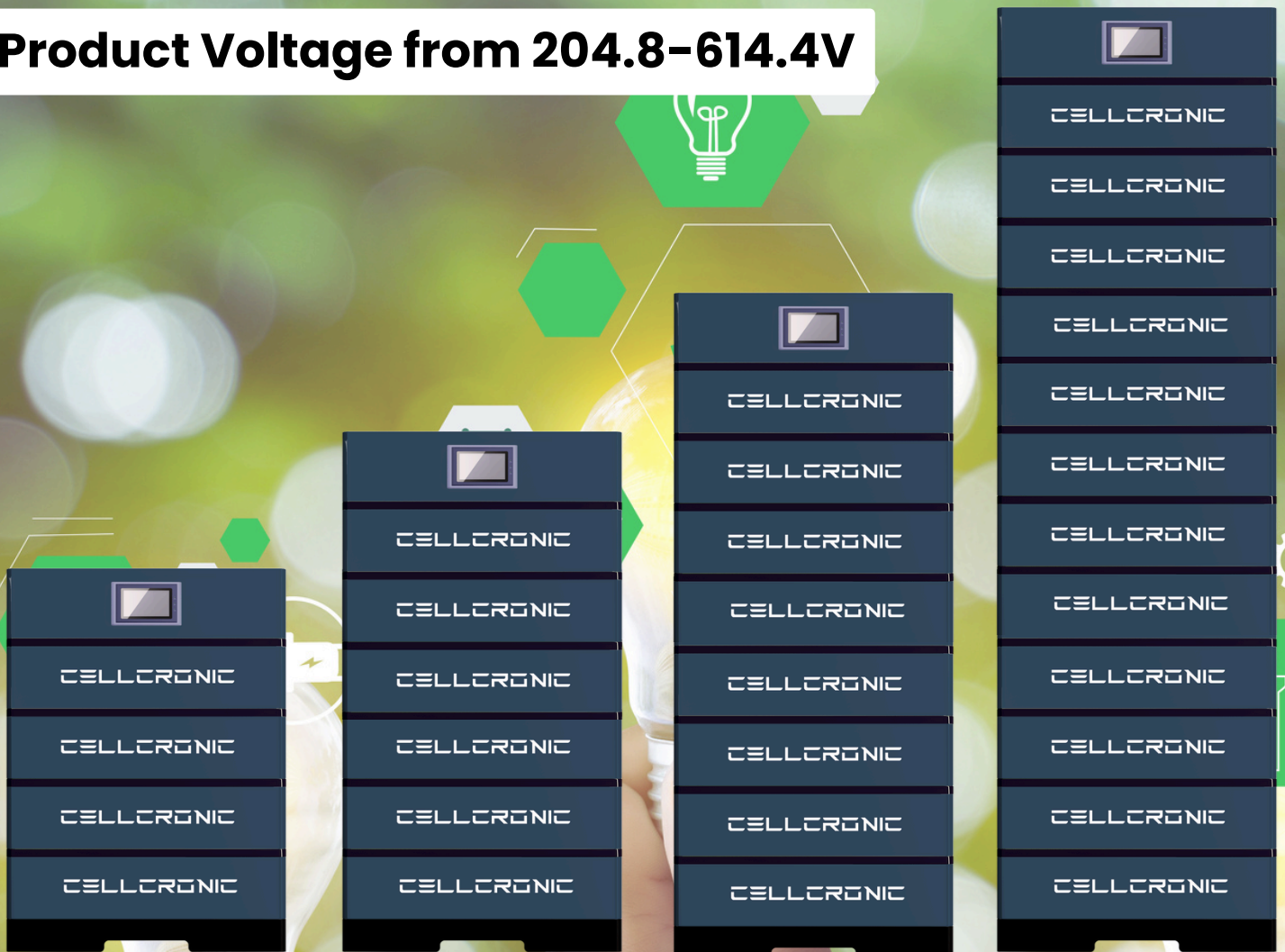
Quick Installation

HV Stackable Energy Storage system



PRODUCT PERAMETERS

Product Voltage from 204.8-614.4V



20.48 Kwh

30.72 Kwh

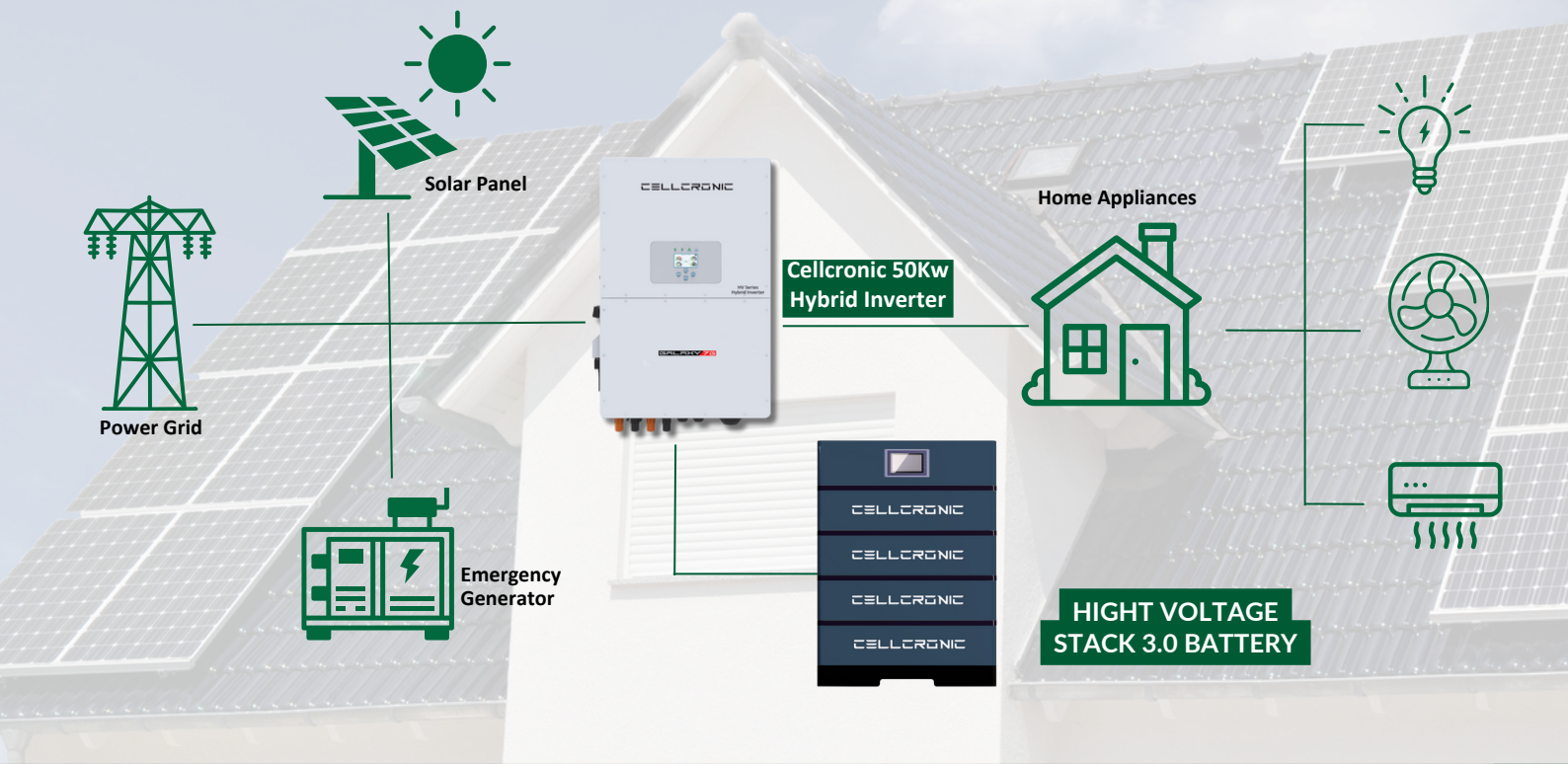
40.96 Kwh

61.44 Kwh

PRODUCT DESCRIPTION

PRODUCT APPLICATIONS

CELLCRONIC



- Scalable Configuration
- High Safety
- Long Service Life
- High Usages
- Quick Installation
- Child and pet friendly
- 6000 Life Cycle with 80% DOD
- Home Energy Solution



Model		STACK 3.0 LFP100-51.2 5.12KWH			
Cell Chemistry		LiFePO4			
Module Energy (Kw)		5.12			
Module Nominal Voltage (V)		51.2			
Module Capacity (Ah)		100			
Battery Module Qty in series. (Optional)		4	6	8	12
System Nominal Voltage (V)		204.8V	307.2V	409.6V	614.4V
SystemEnergy (Kwh)		20.48 Kwh	30.72 Kwh	40.96 Kwh	61.44 Kwh
Charge Current (A)	Standard Charge Current	30A			
	Max. Charge Current	70A			
	Charge Voltage	233.6V	350.4V	467.2V	700.8V
Discharge Current (A)	Max Continuous Discharge Current	85A			
	Discharge Cut-off Voltage	179.2V	268.8V	358.4V	537.6V
Anode Material		LFP/LiFePO4			
Self Discharge Rate		≤3% per month at 25°C			
Dimension (L/W/H,mm)		600×400×900 mm	600×400×1200 mm	600×400×1500 mm	600×400×1800 mm
Weight Approximate (kg)		207.9Kg	299.5Kg	391.1Kg	482.7Kg
Installation Location		Floor Mount			
Cycle Life (Charge/Discharge)		>6000 Cycle @80%DOD, at 25°C			
Temperature	Charge	0~50°C			
	Disharge	-20~60°C			
	Storage	15~35°C			
User Interface		4.3-inch touchscreen			
Communication	CAN(INV)	X1			
	CAN	X1			
	RS485	X1			
Warranty		5 Years			