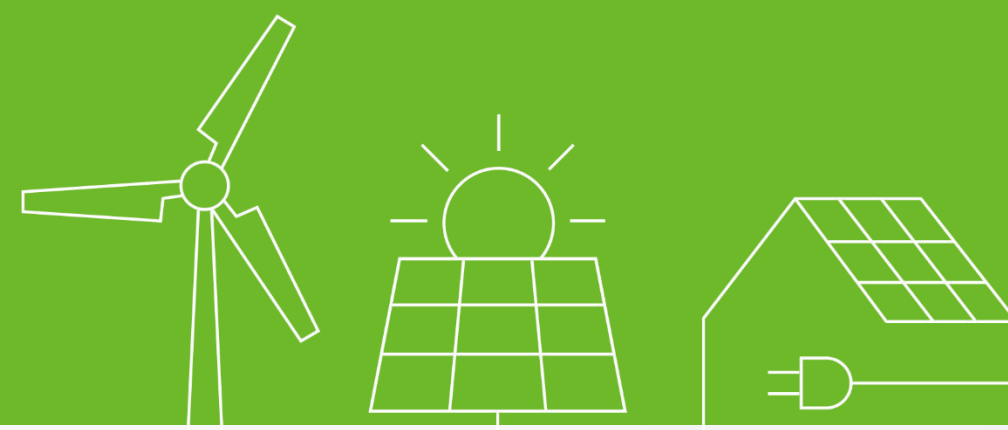




AXE 5.0L Modular Battery



2021

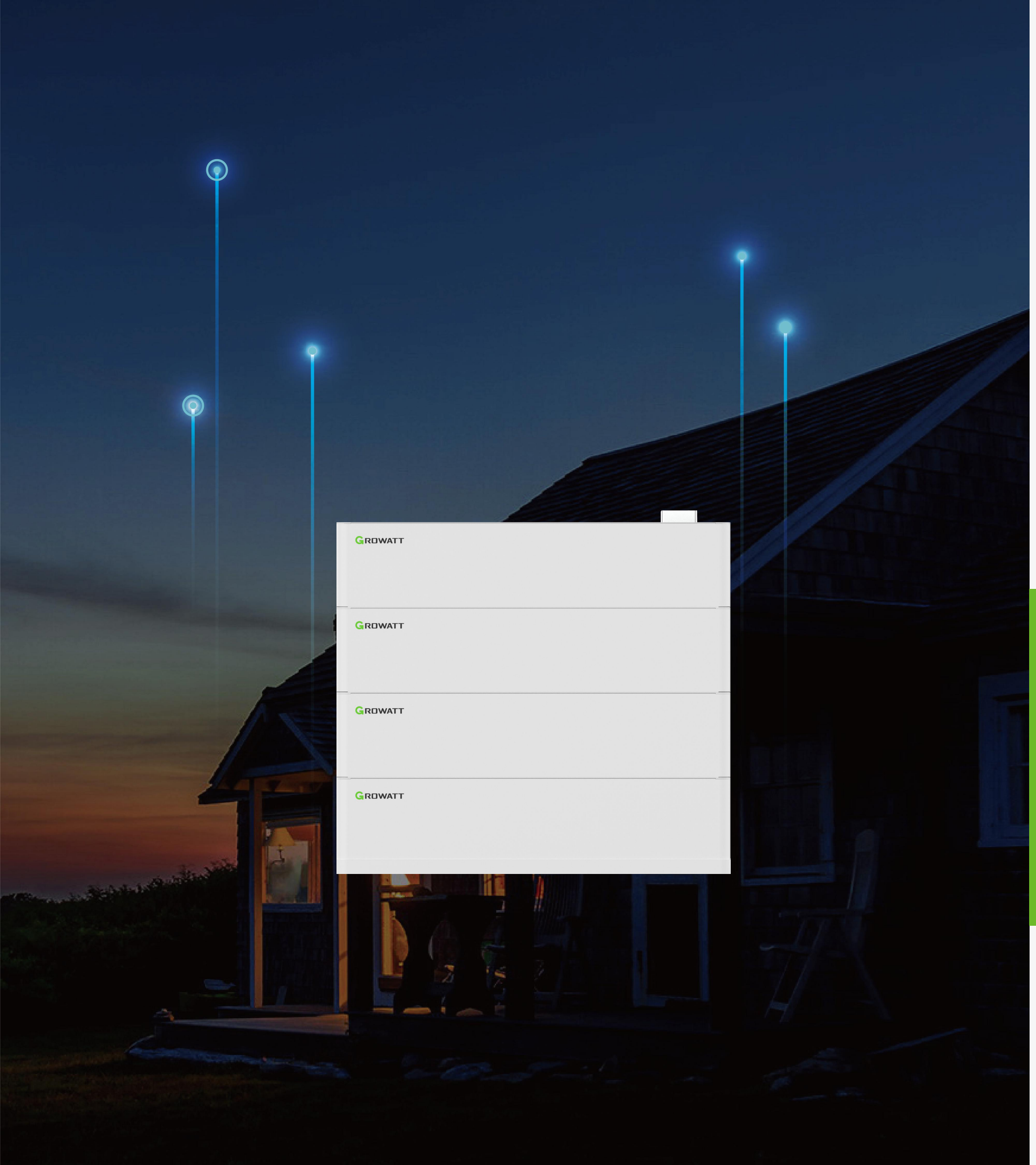
SHENZHEN GROWATT NEW ENERGY CO.,LTD

GROWATT



Dedicated to Becoming

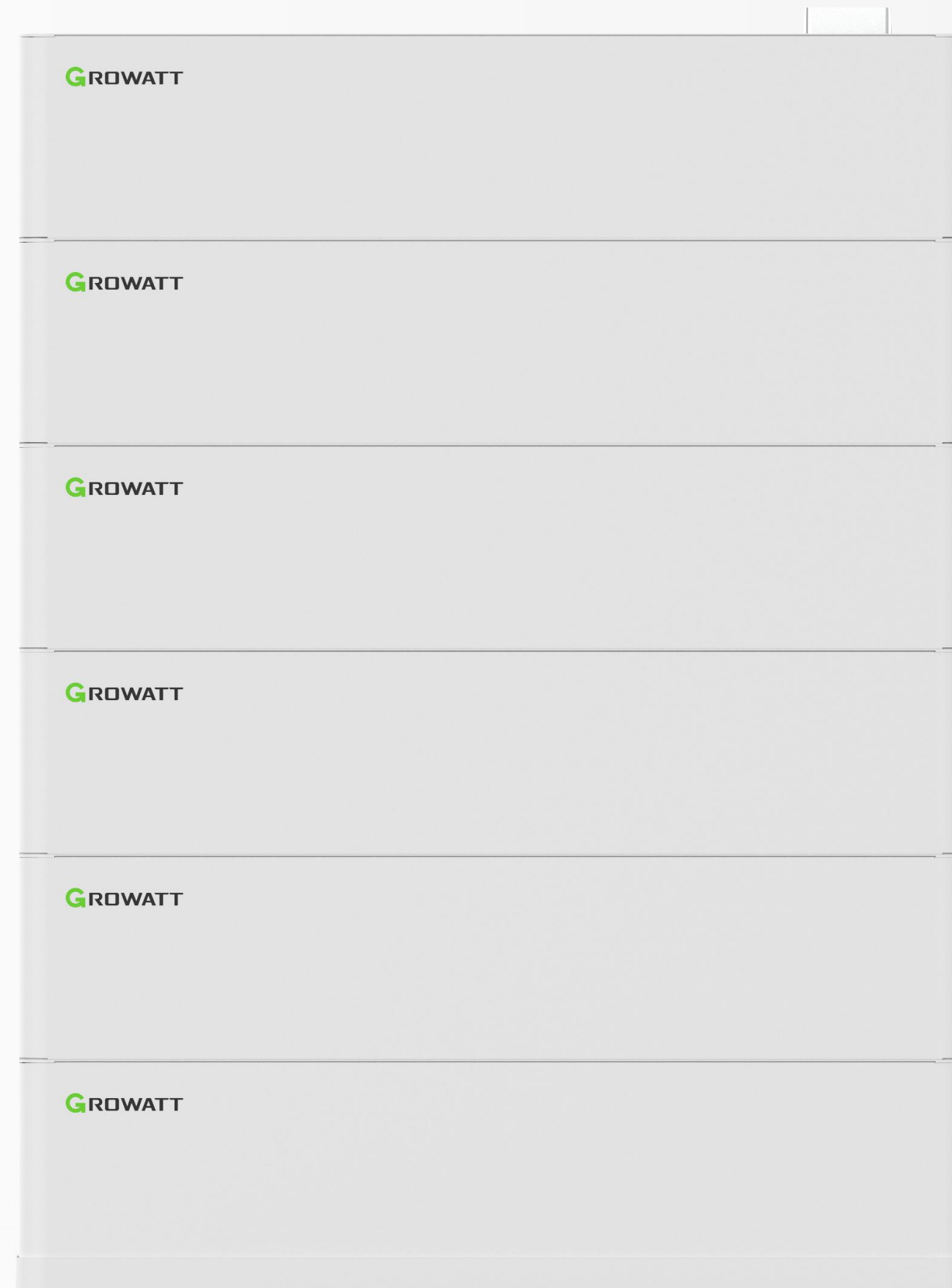
The World's Largest Supplier of Smart Energy Solutions



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- 02 Leading Features
- 03 Extreme Safe and Reliable
- 04 Advanced Technology
- 05 System Flexibility
- 06 Smart Management
- 07 Parameter

Product Overview



AXE Low Voltage Battery System

5.0kWh / Module

Single Cluster: 5.0kWh ~ 50kWh

Max. 8 clusters up to 400kWh

Leading Features

Natural Cooling

AXE 5.0L is designed with natural cooling providing optimum efficiency

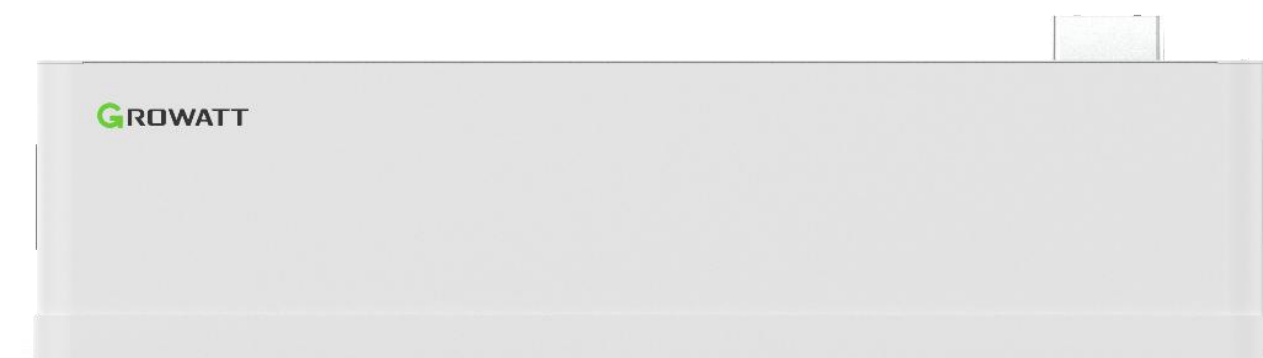


Compact Design

Weight: 45kg

Dimension: 650*350*140 mm

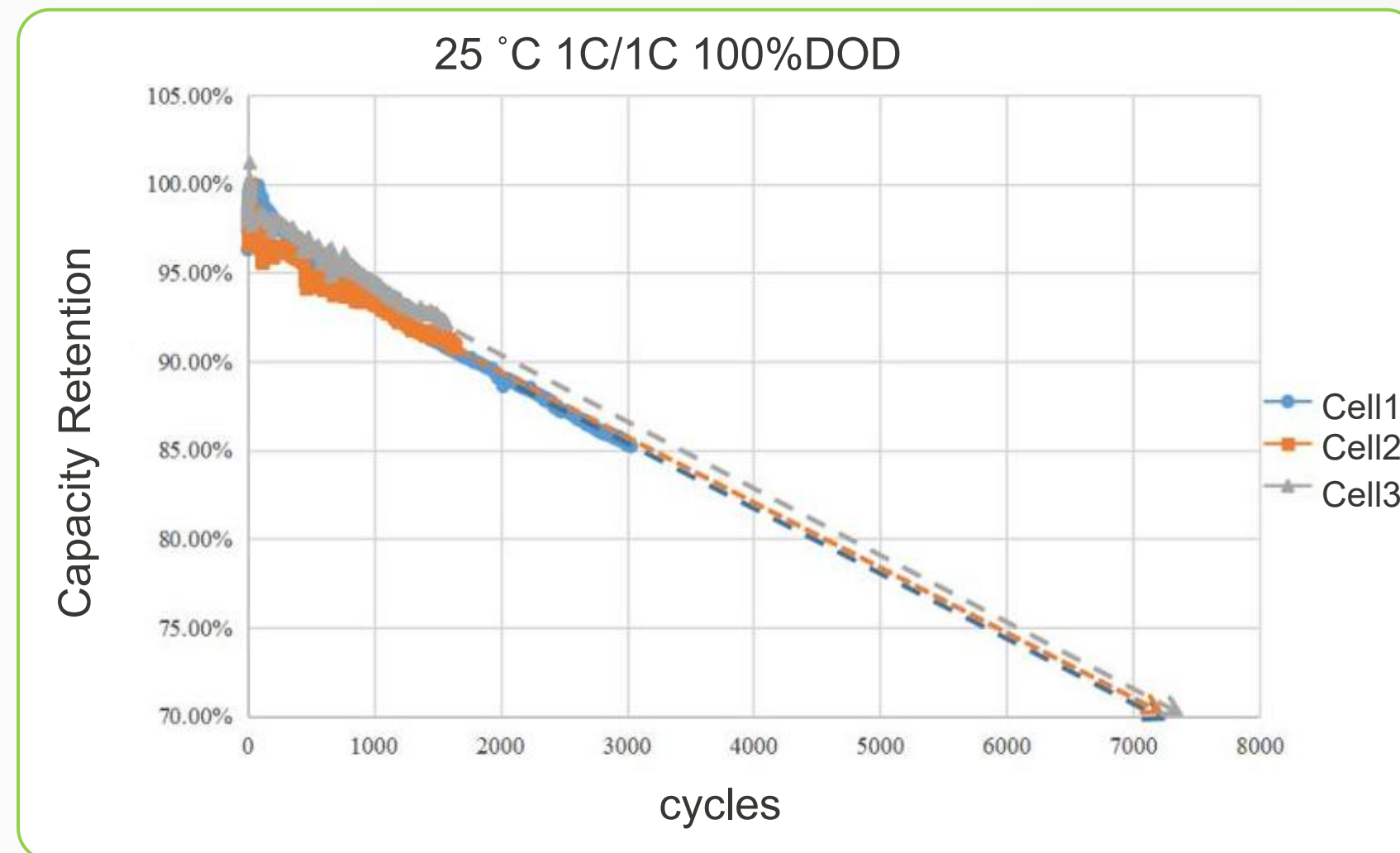
Modular Design



Leading Features

Battery Cell Life > 7000

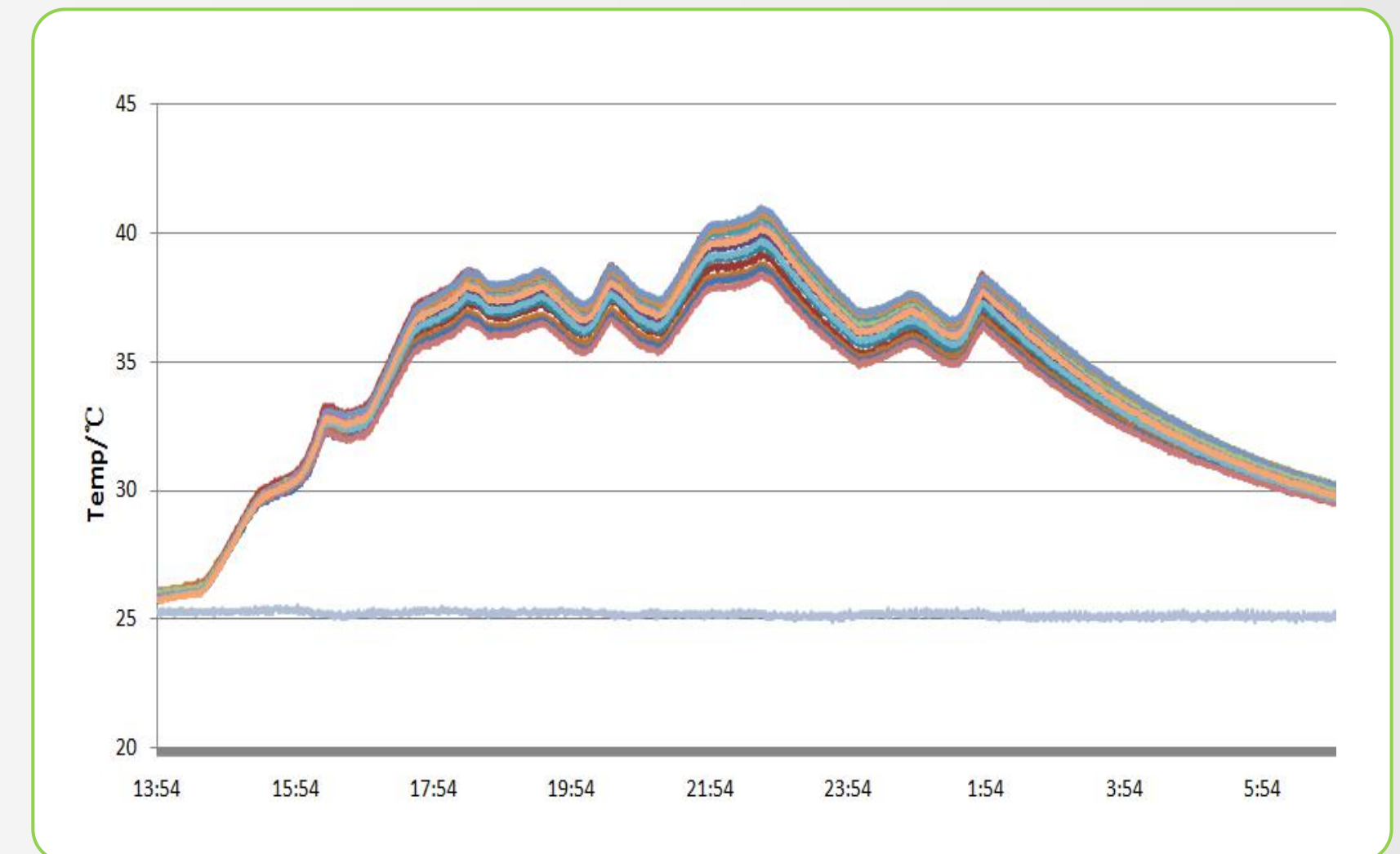
Residual capacity remains at 70% original capacity after 7000 cycles.



* Under specific testing environment

Thermal Balance

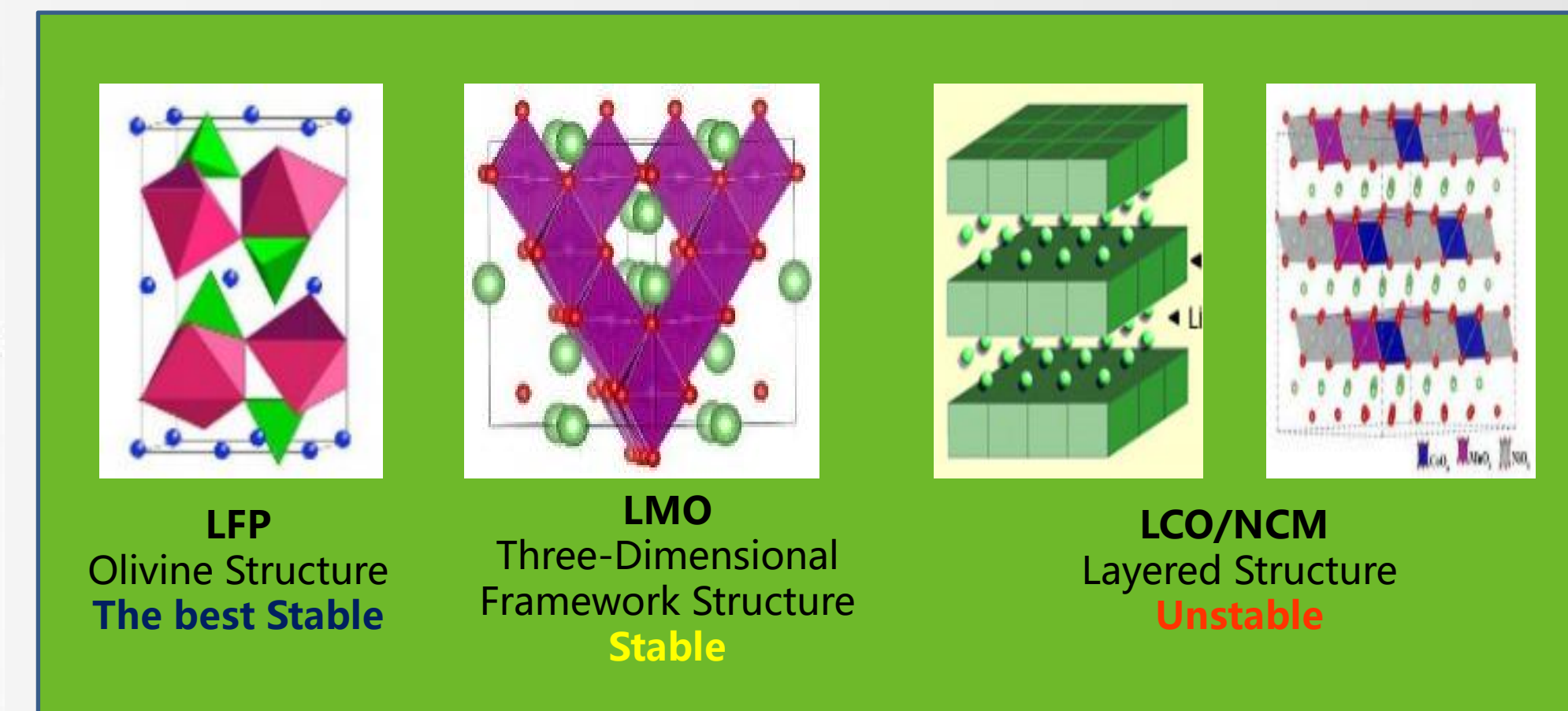
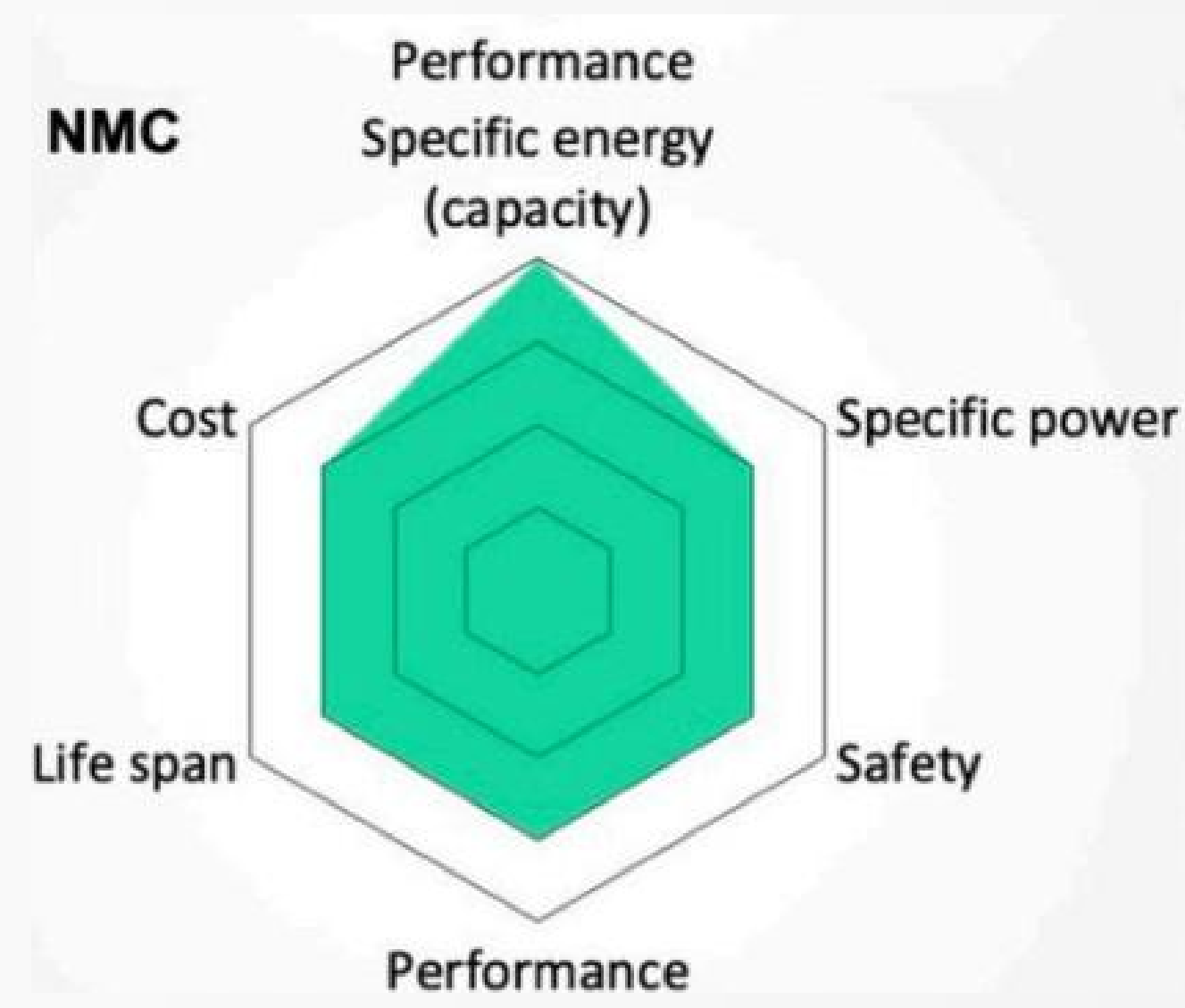
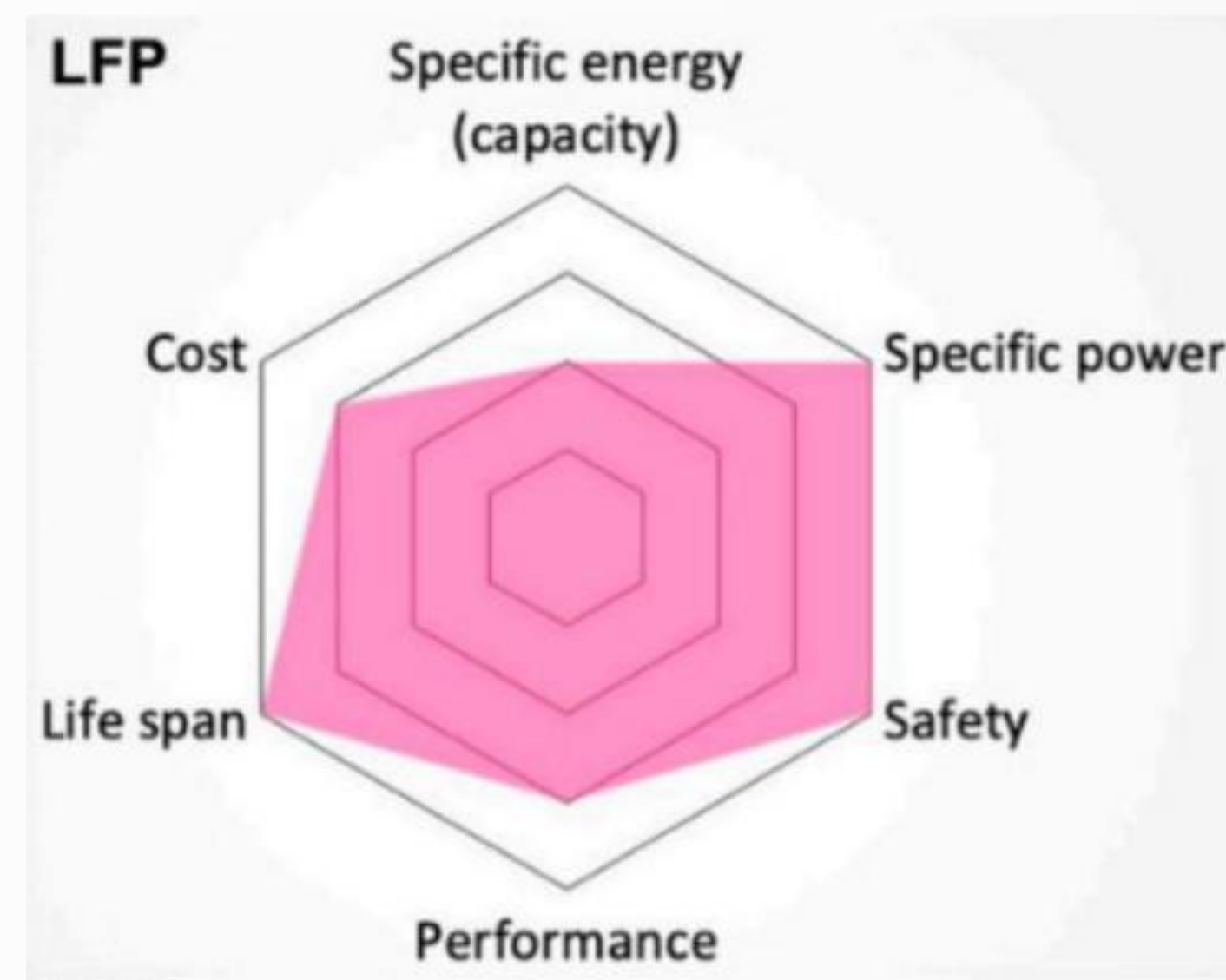
5°C cell temperature range



Extreme Safe and Reliable

LFP is the most suitable chemistry for residential ESS

Better

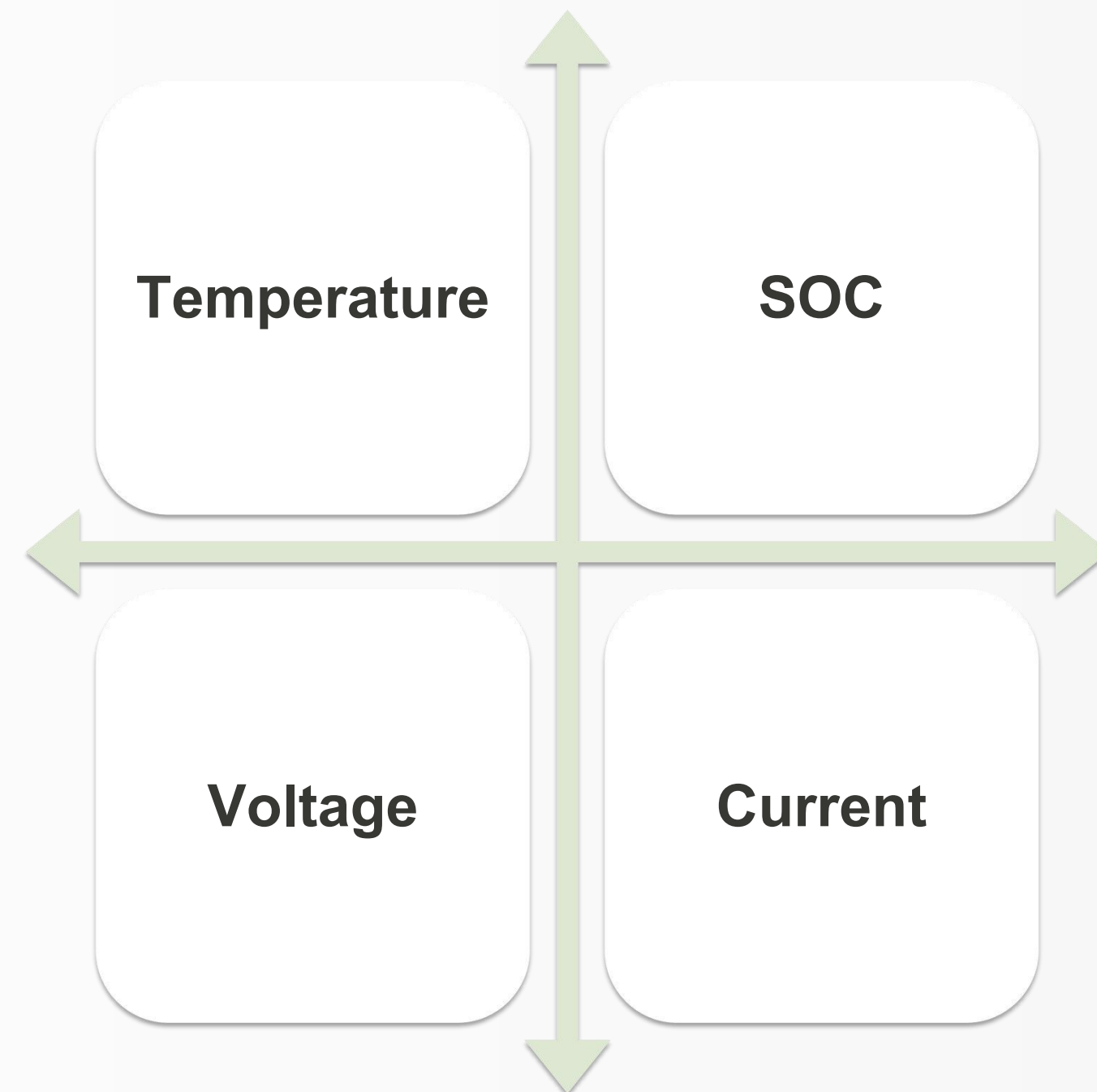


LiFePO₄ chemistry features stable structures and its thermal runaway temperature is over 480°C. That's 100% higher than NCM chemistry

Extreme Safe and Reliable

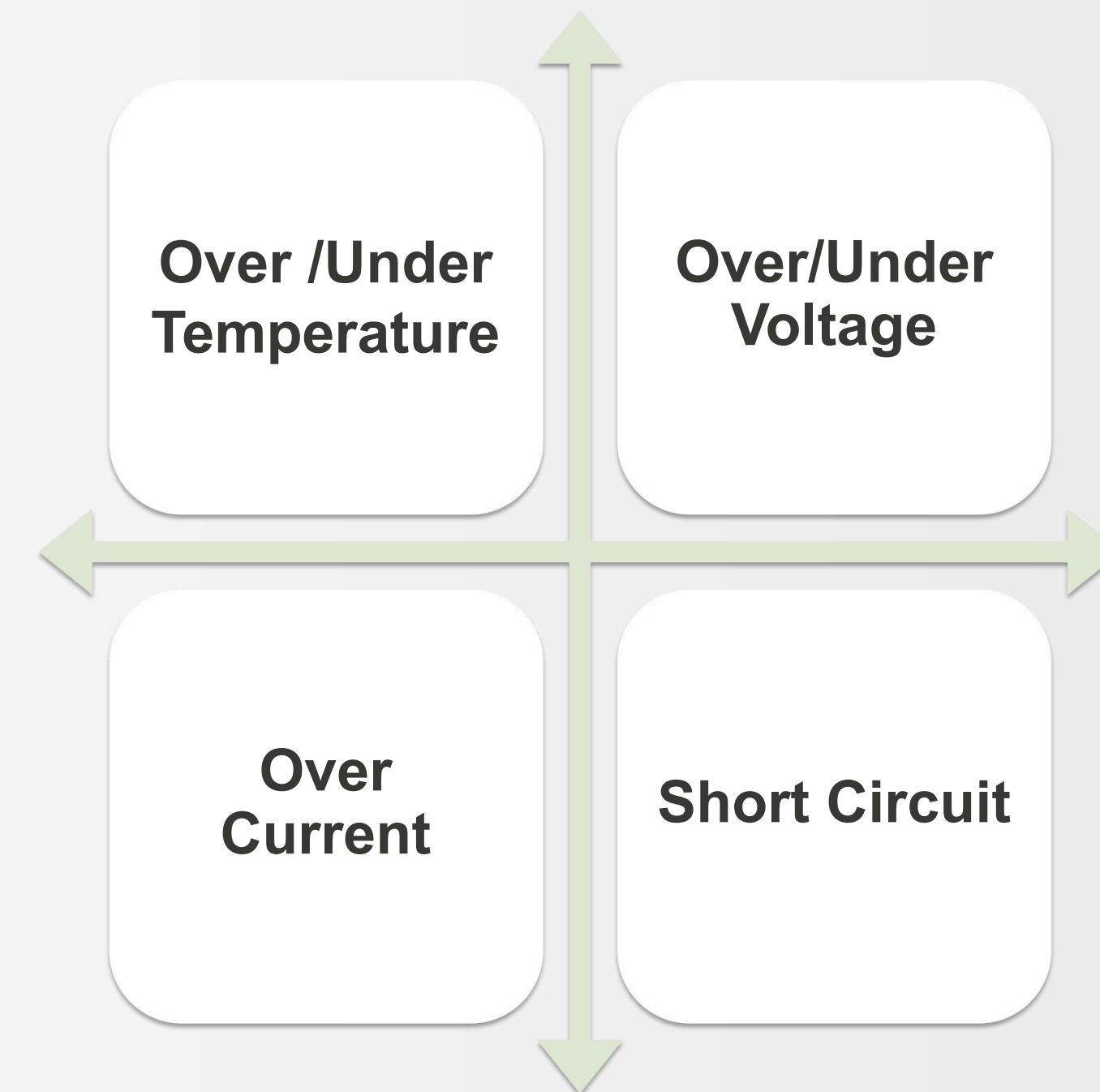
Cell Monitoring

Not only monitor battery module data, but also monitor each cell security status

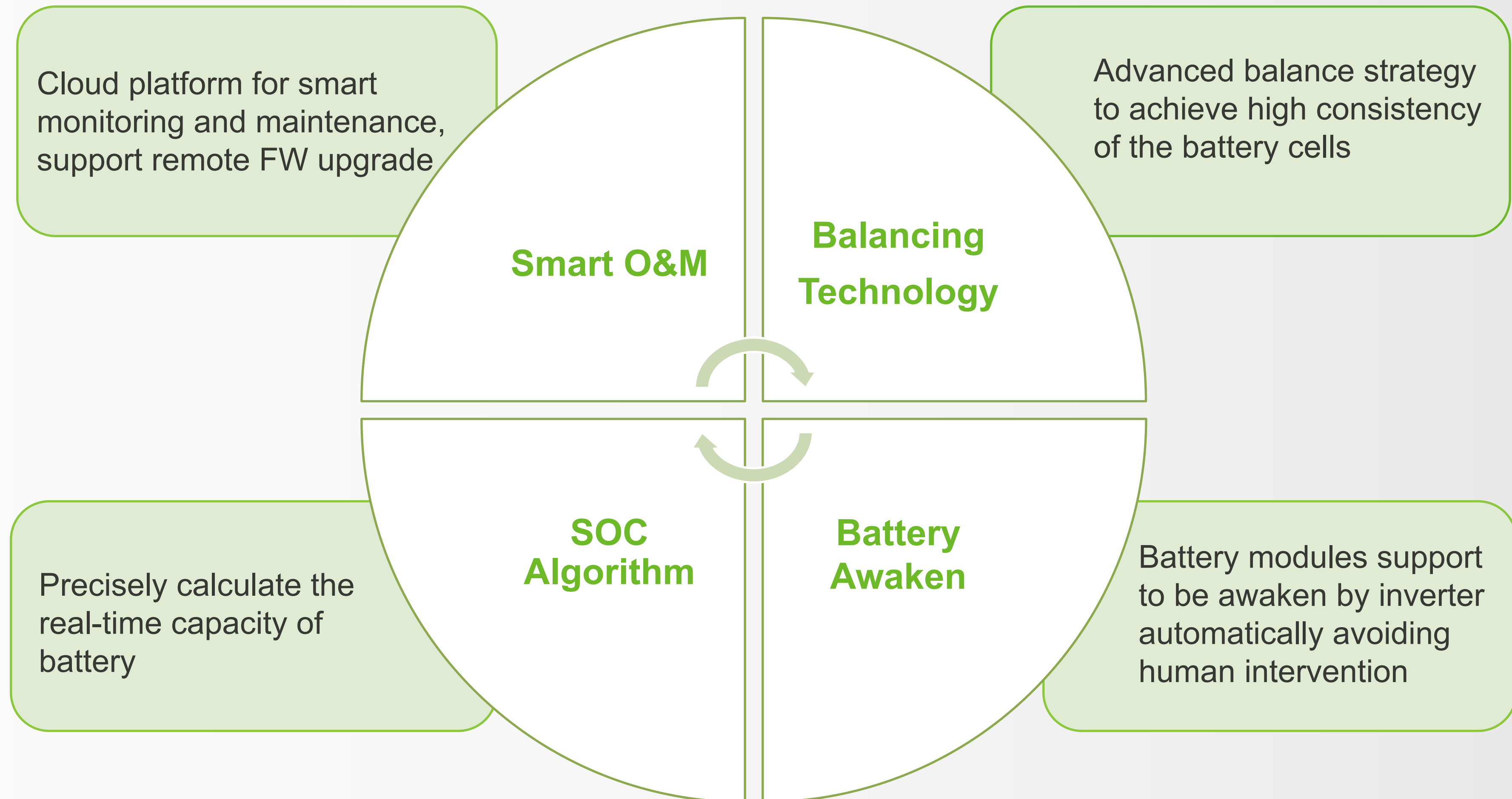


Full Protection

Provide full-protection for the whole battery system



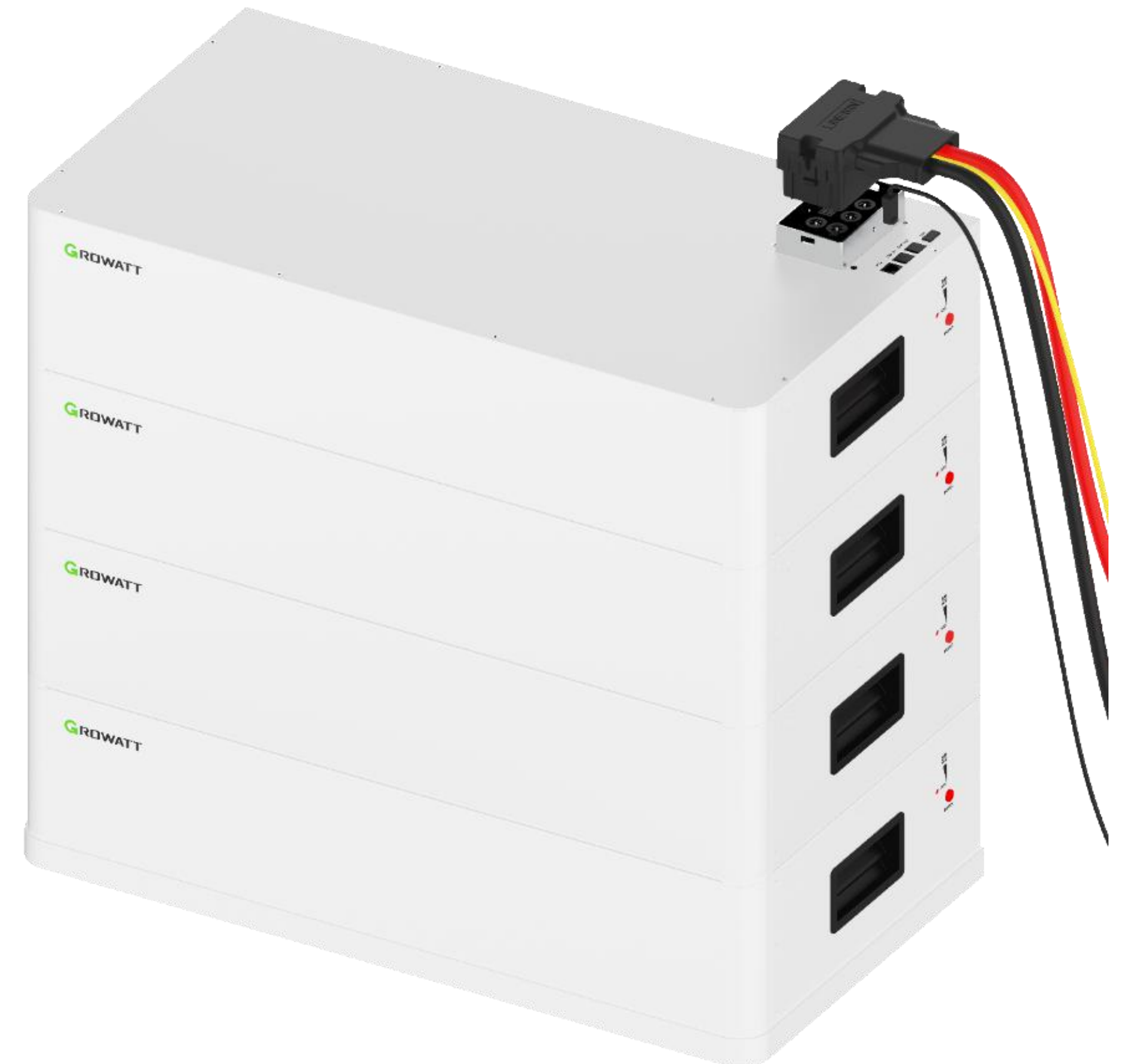
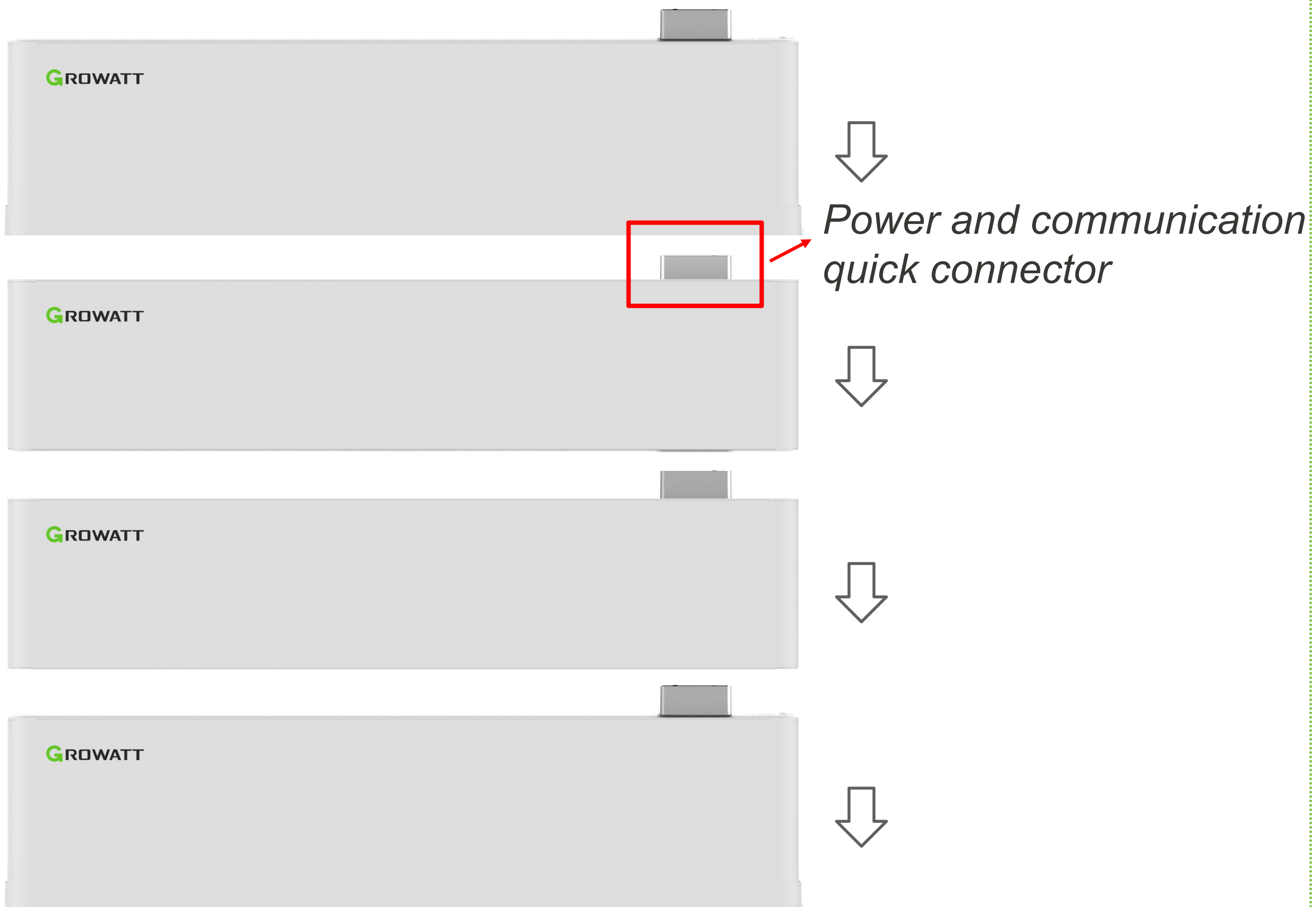
Advanced Technology



System Flexibility

Easy installation by stacked modular design without any cable connection

Quick connection from battery system to inverter



System Flexibility

Compatible with Different Storage Inverters

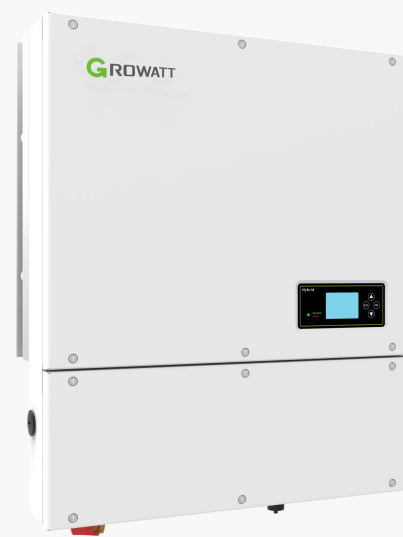
Hybrid & AC-Coupled Inverter



SPA 1000-3000TL BL



SPH 3000-6000TL BL-UP



SPH 3000-6000TL BL-US

Off-grid Inverter



SPF 3500-5000ES
SPF 3000TL LVM-ES



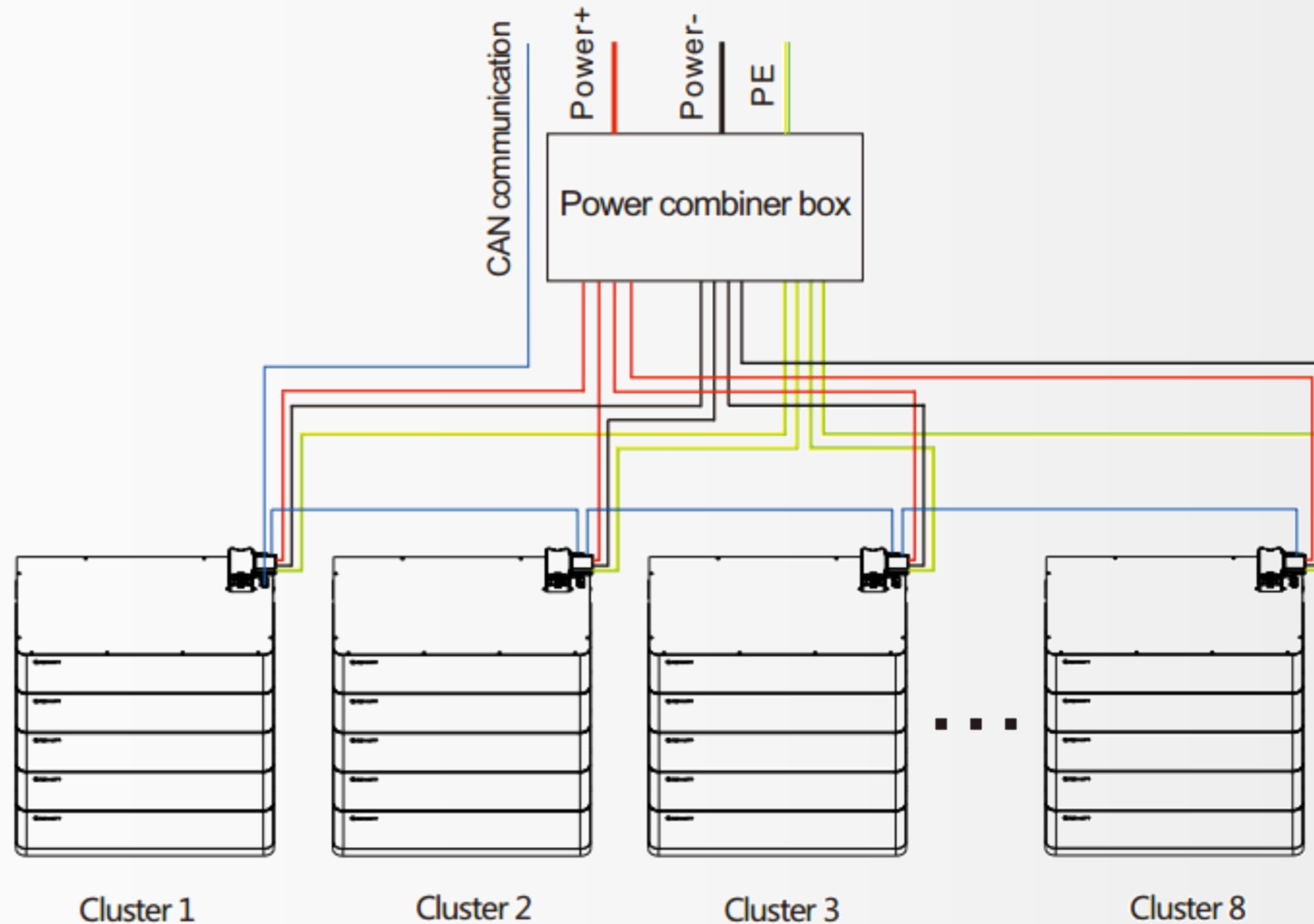
SPF 3000TL LVM



SPF 6-12KT DVM-MPV

System Flexibility

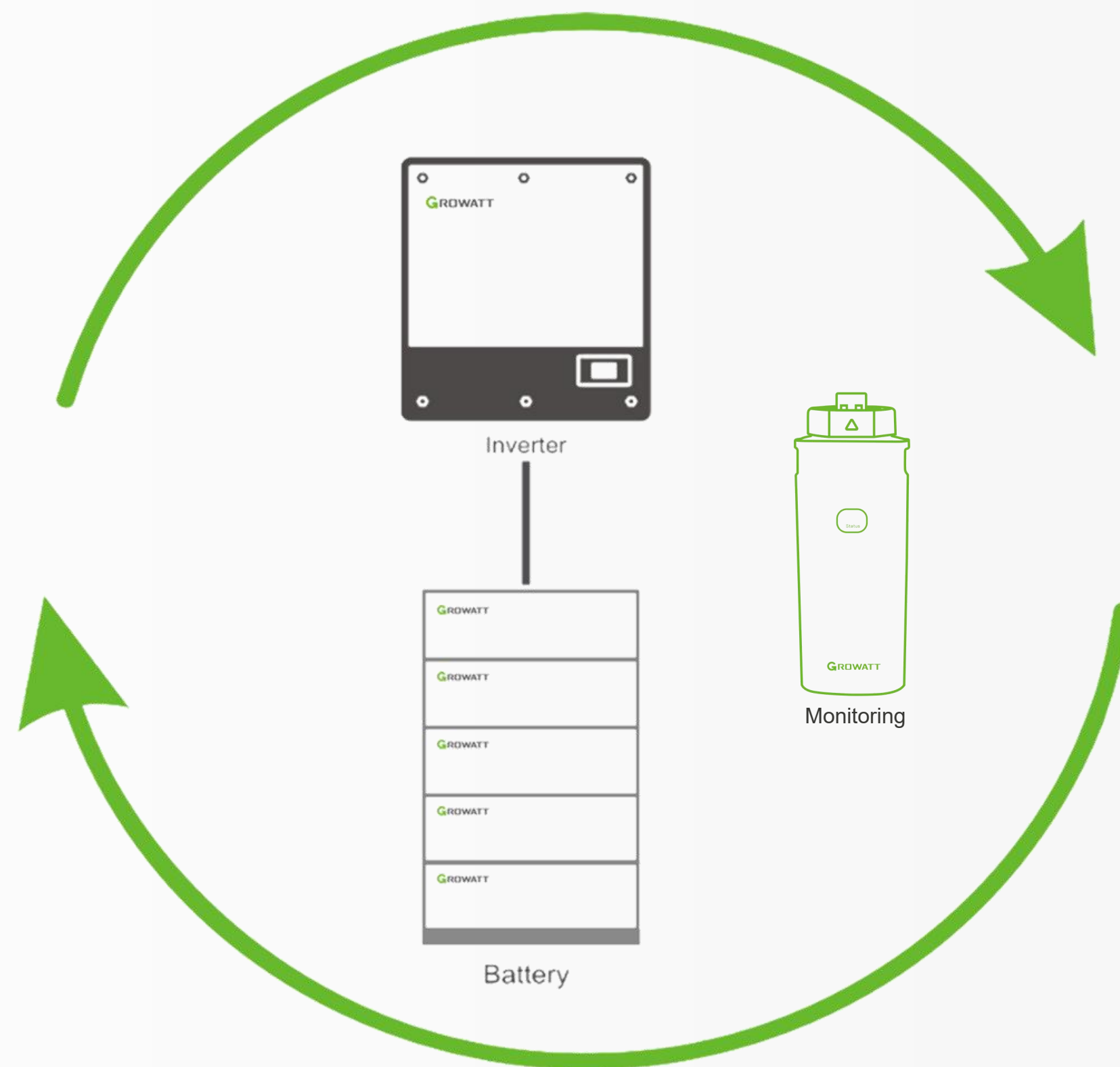
Supporting max. 8 clusters in parallel reaches 400kWh



*Power combiner box need to be prepared by installer

System Flexibility

Whole System Service



Complete Equipment Supply

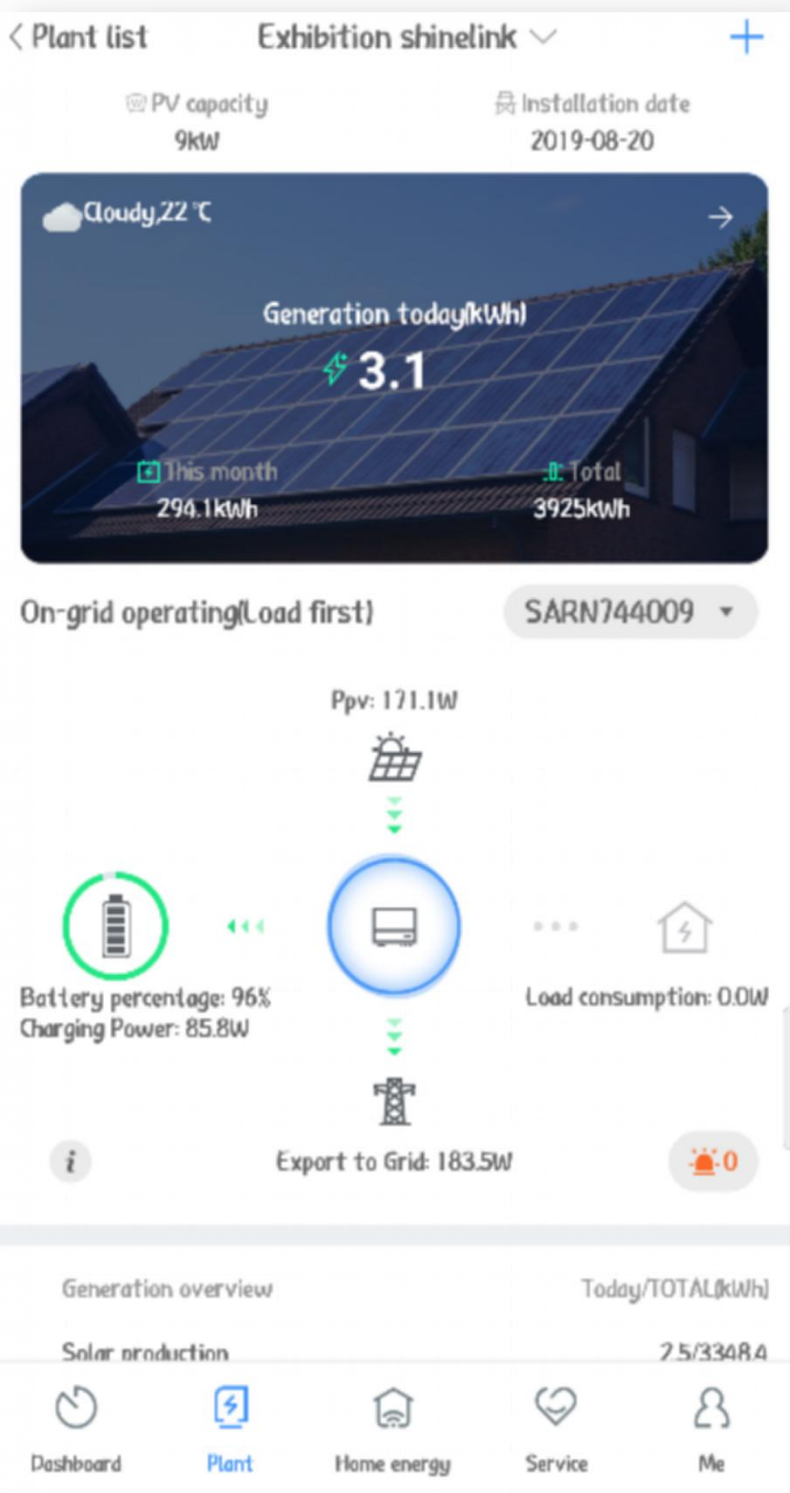
Inverter, Battery and Monitoring,
Compatibility with lithium battery

Whole System Guarantee

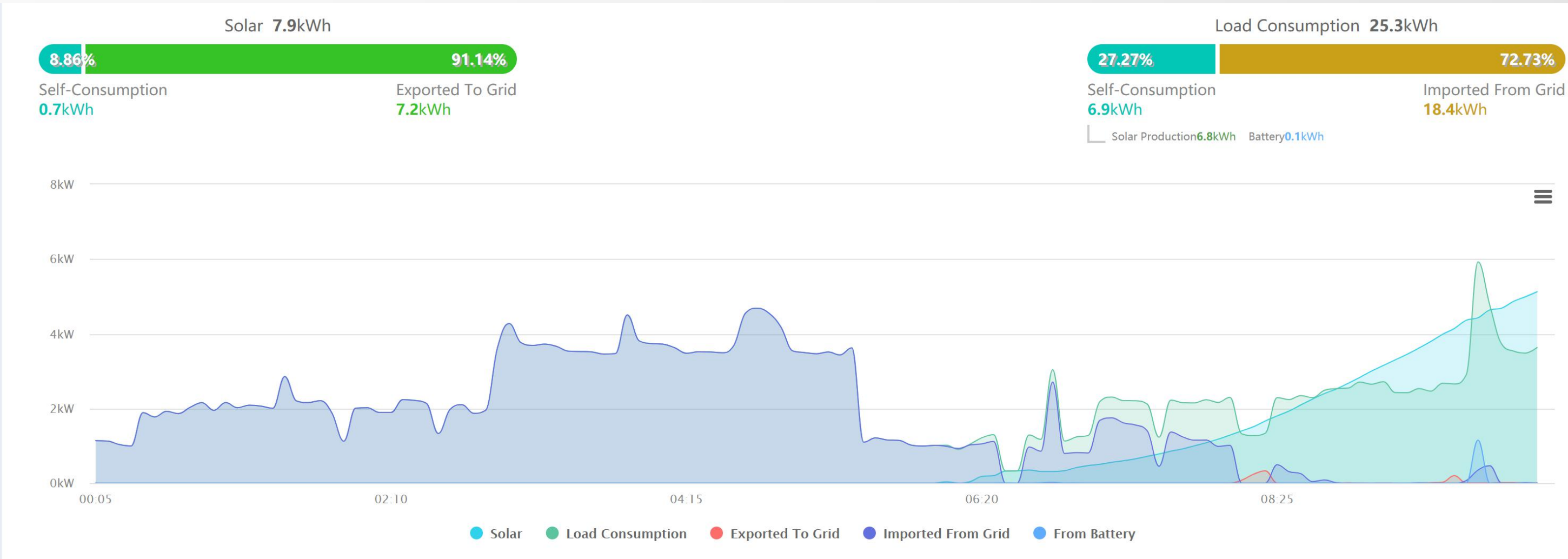
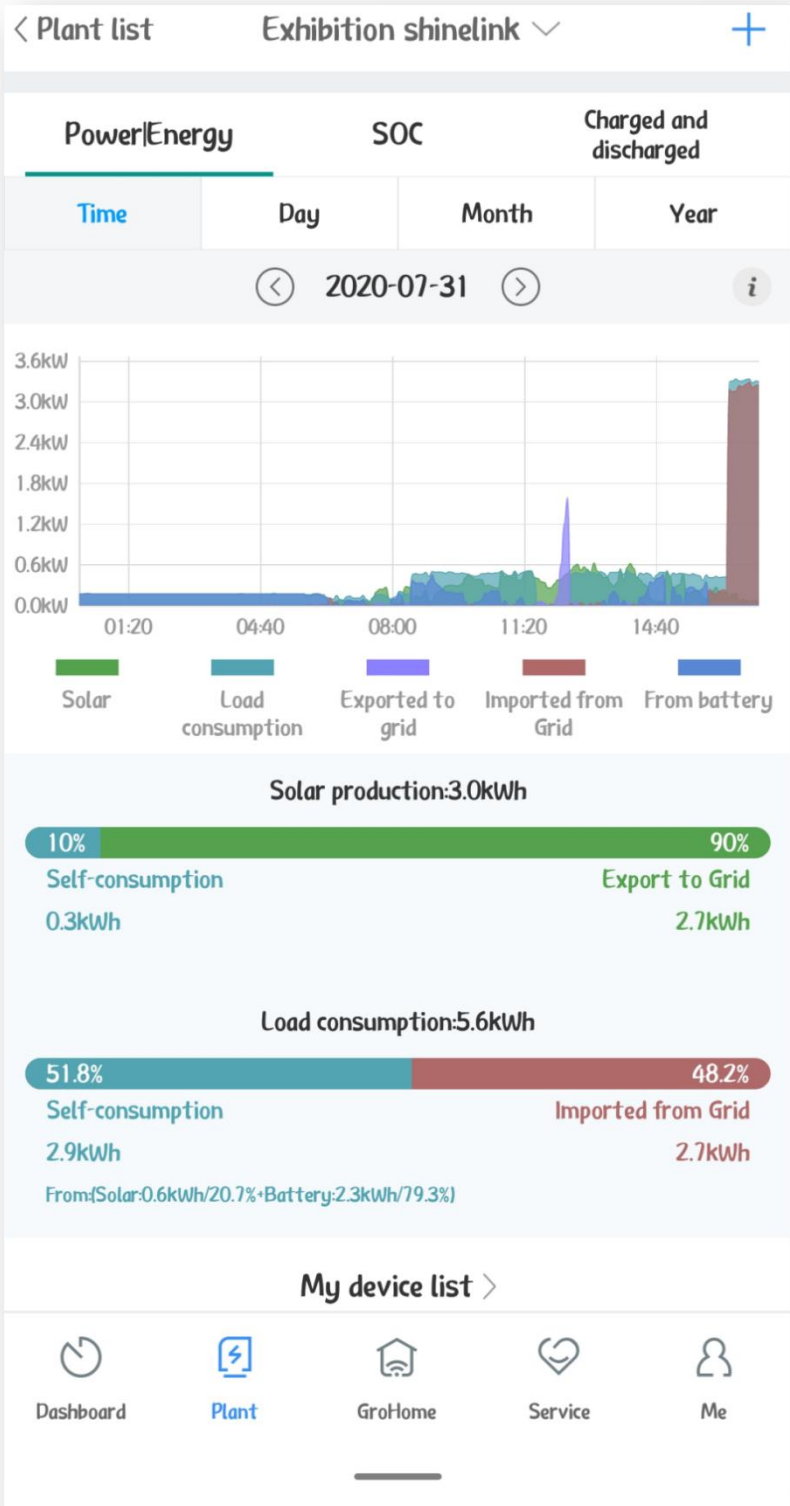
Guidance and help of the whole system,
Warranty for all devices,
Professional and local service team

Smart Management

Real-time data upload status. System states under observation.
Frequent transfer of lost data after recovery



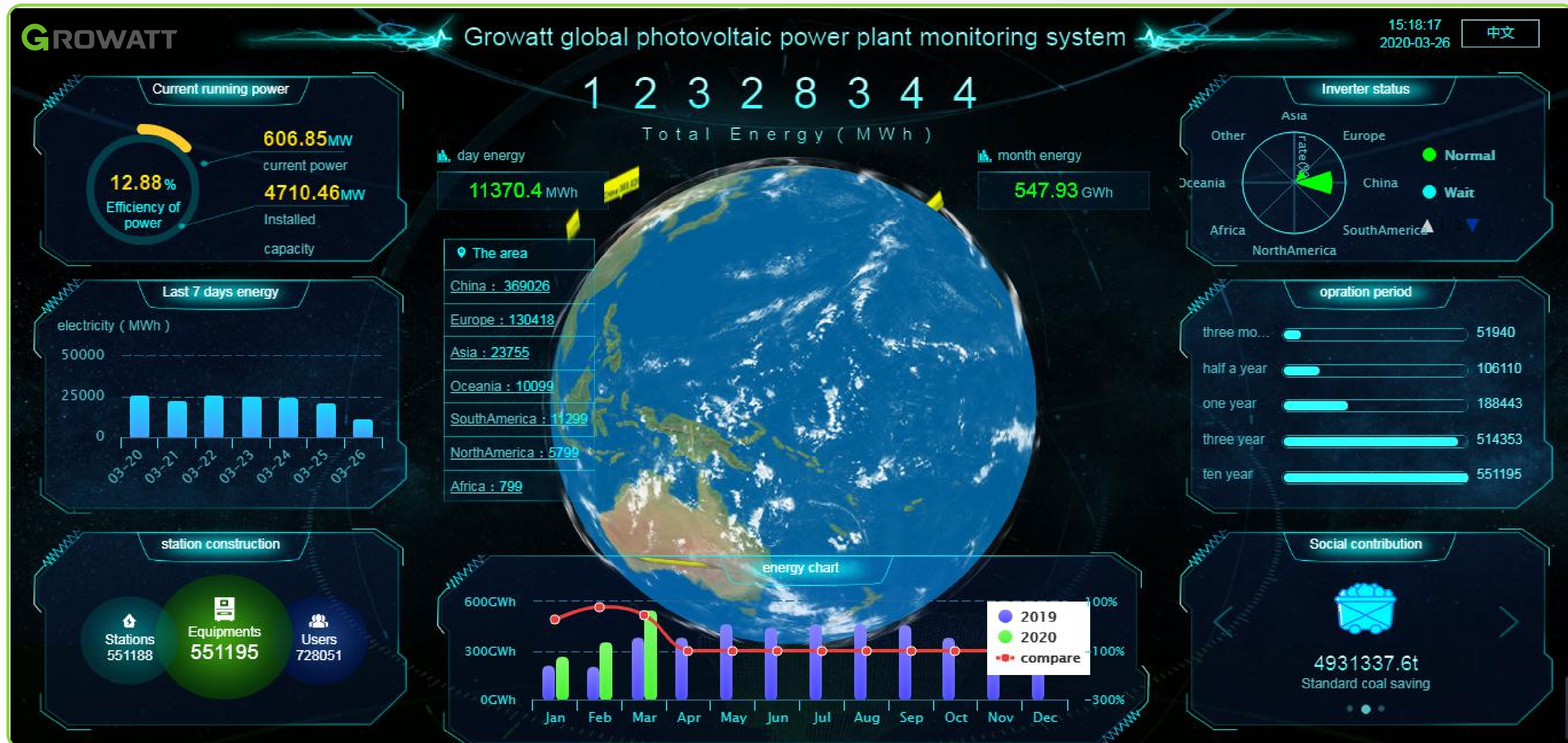
ShinePhone App



Server Monitor

Smart Management

Online Smart Service (OSS) System



Online failure reporting

Remote parameter setting

Remote firmware upgrading

No need site travelling

Reduce maintenance cost

Parameter



Battery System	AXE 5.0L
Total energy	5.0kWh
Usable energy	4.6kWh
Capacity	100Ah
Battery pack connection	1 ~ 10 packs in parallel
Battery cluster connection	1 ~ 8 clusters in parallel
Nominal voltage Range	51.2V (48-57.6V)
Charging/discharging current	60A
IP degree	IP 20
Operation temperature	0 ~ 50° C
Dimension(W*D*H mm)	650*350*165
Weight	45kg
Communication	CAN
Warranty (5 Years/10 Years)	Yes/Opt

•Detailed information please refer to AXE LV Battery system datasheet

THANKS



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