

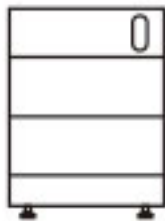

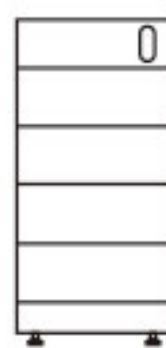


DYNNESS

Tower Pro

Newly Upgraded Residential Energy Storage
HV Stackable Battery Solution





Model	Tower Pro TP7	Tower Pro TP11	Tower Pro TP15	Tower Pro TP19	Tower Pro TP23
Product Pattern					
Battery Module Type	LiFePO ₄				
Battery Module Quantity	2	3	4	5	6
Rated Energy	7.68 kWh	11.52kWh	15.36 kWh	19.2 kWh	23.04 kWh
Nominal Voltage	192V	288V	384V	480V	576V
Max. Continuous Charge /Discharge Power *	7.68 kW	11.52 kW	15.36 kW	19.2 kW	23.04 kW
Recommended Depth of Discharge	95%				
Dimensions [W/D/H](mm)	587/310/788	587/310/1009	587/310/1230	587/310/1451	587/310/1672
Net Weight [kg]	109.5kg	150kg	190.5kg	231 kg	271.5kg
Charge Temperature Range	-20~55°C (Polyimide Film Heating)				
Discharge Temperature Range	-20~55°C				
Cycle life **	≥8000 Cycles				
Design life	15 Years				
Warranty	10 Years				
Protection Level	IP55				
Fire Protection Function	Aerosol fire extinguishing				
Expansion	Max. 12 Tower Pro can be connected in parallel				
Certification	IEC62619/IEC63056/IEC62477/IEC62040/CE-EMC/VDE2510-50				

*Maximum continuous Discharge/Charge power when communicating with inverter is 1C

**Test conditions:0.2C Charging&Discharging.@25°C,95%DOD

Effortless Installation, Flexible Expansion

- **40.5** kg net weight, allow **1** person to install
- Strong cell balancing function
Free mixing of modules within **3** years



Cable free stack-up design



Plug&Play position plugs

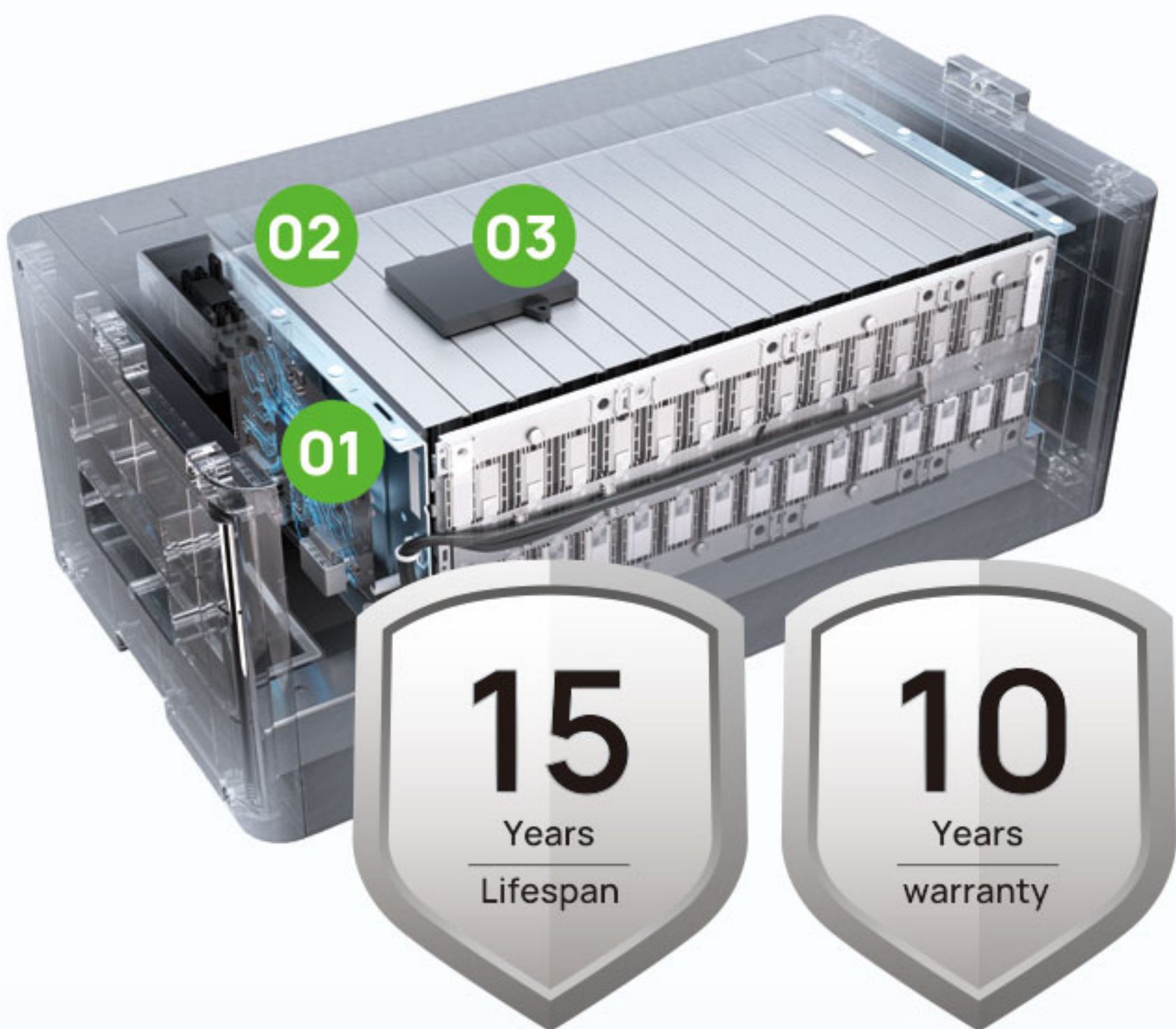


Adjustable Feet



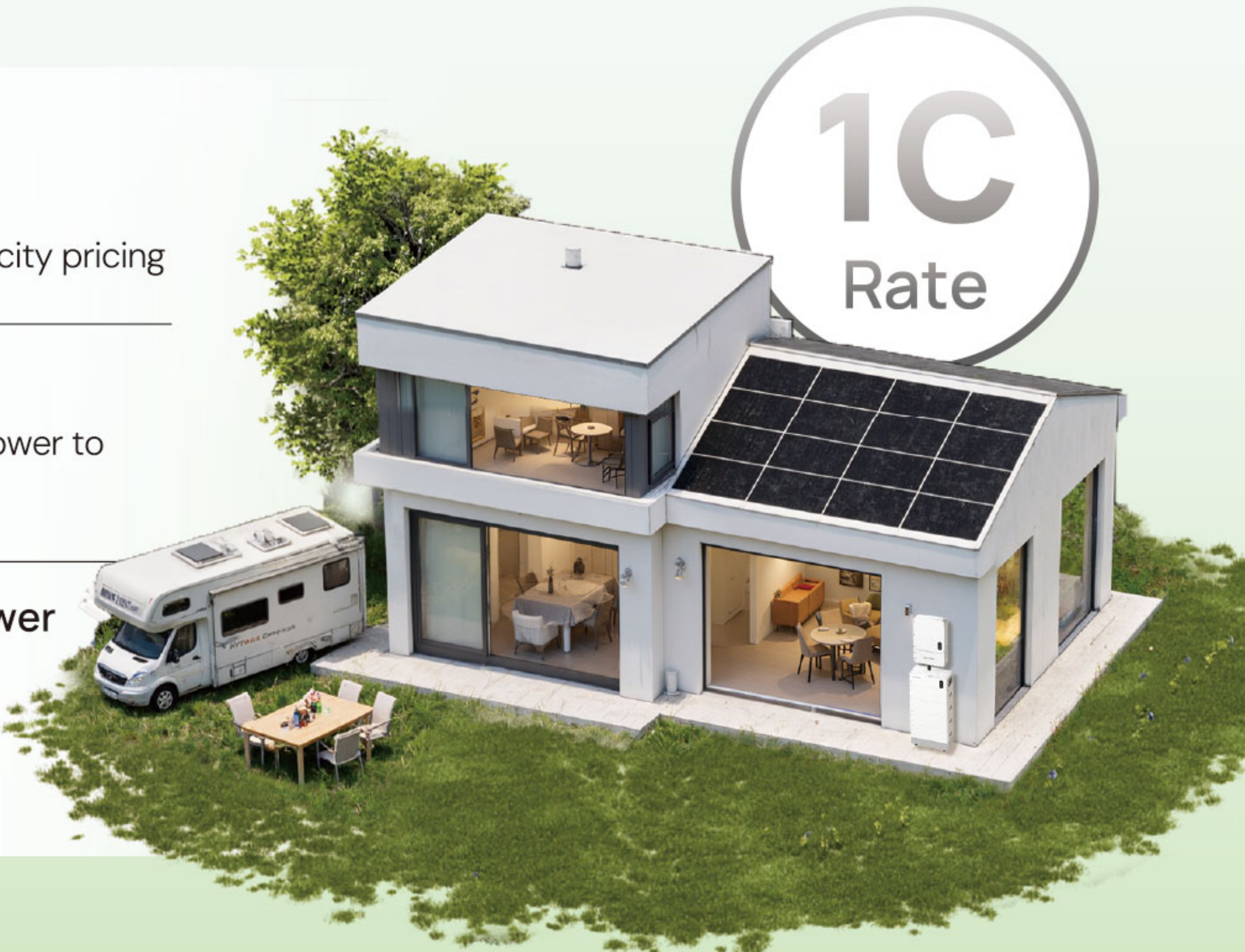
Safety and Longevity

- 01** Smart BMS
Various protection functions for charging and discharging
- 02** Reliable LFP battery cell, 8000+cycles
- 03** Aerosol Fire Extinguisher
Detects and extinguishes fire in 5s



Fast Charge and Discharge

- Electricity bill savings**
Adapting to dynamic electricity pricing
- Higher output**
Simultaneously supplying power to multiple loads
- Short-term backup power**
Quick response, extends equipment lifespan

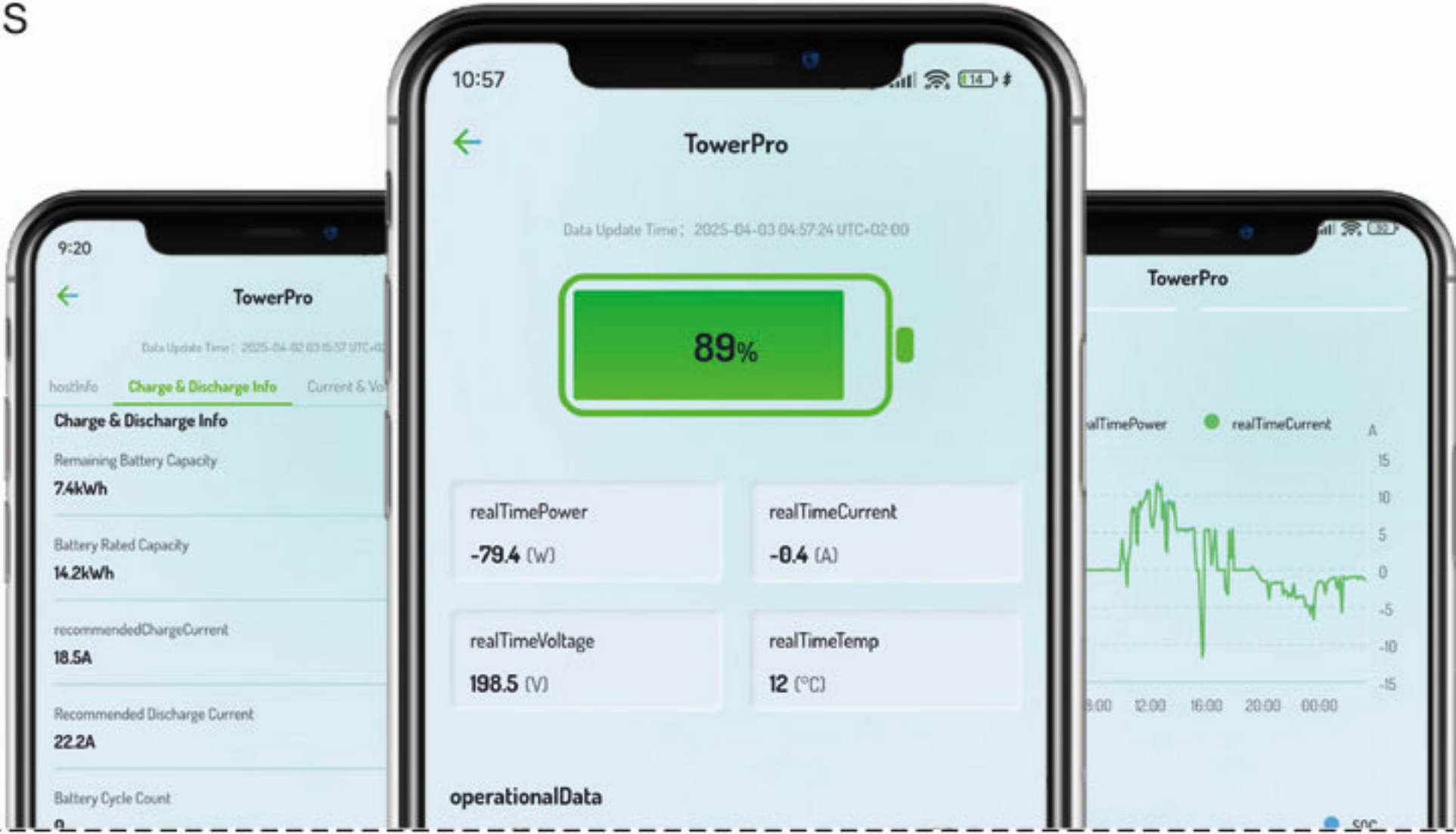


Extreme Performance in Diverse Environments



Smart Management

- Battery system real-time running data
- Battery system real-time operation status
- Battery system historical data
- Battery cell voltage and balance
- Module temperature
- One-click OTA function
- ...



Versatile Compatibility

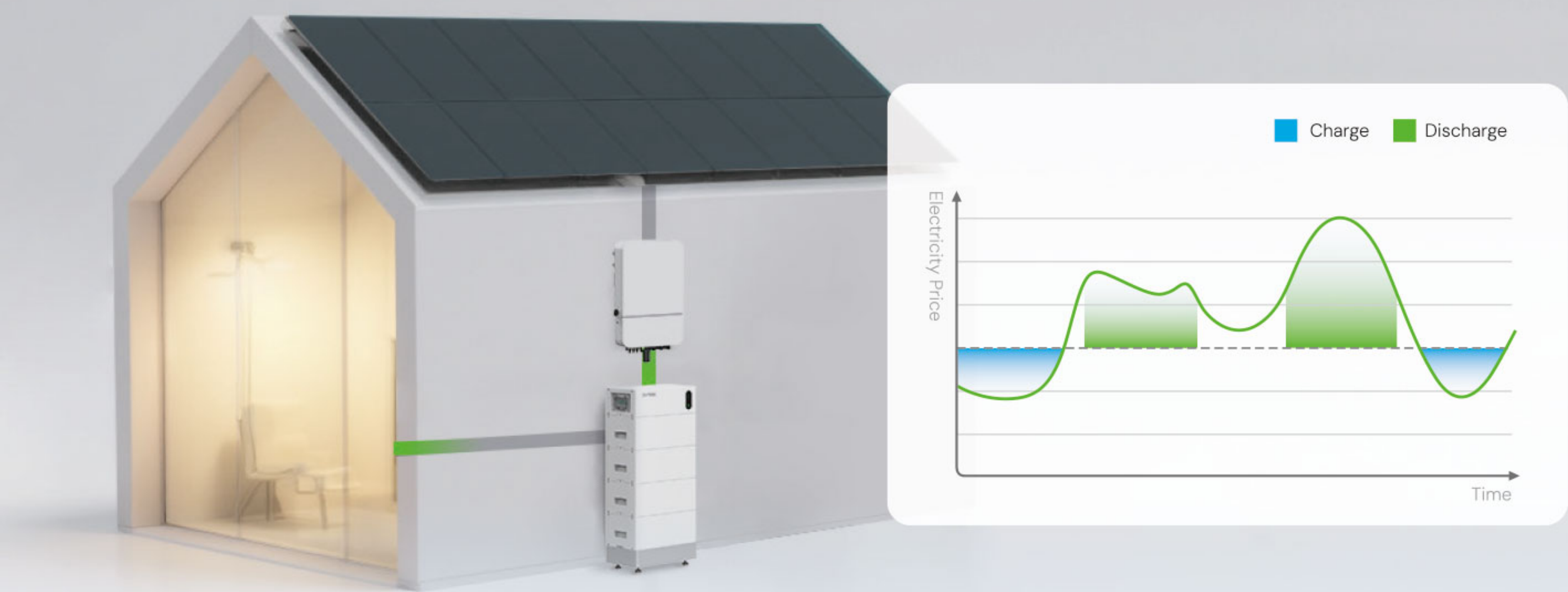
Scenarios	Description	Energy Demand & Configuration	Inverter Power (kW)				
			3/5/6	8/10/12	15/20	25/30	40/50
Residential	Small house	10 kWh Tower Pro TP11*1					
	Villa	20 kWh Tower Pro TP23					
Small C&I	Workshop	30 kWh Tower Pro TP15*2					
	Convenient Store	45 kWh Tower Pro TP23*2					
	Bakery	70 kWh Tower Pro TP23*3					
	Office	90 kWh Tower Pro TP23*4					
	Restaurant	95 kWh Tower Pro TP19*5					
	Farm	110 kWh Tower Pro TP23*5					

Note: The darker the color in the table, the higher the recommendation



Note: Due to space limitations only a selection of compatible inverter brands are shown here. Please refer to the Dyness Compatibility List for more details.

Light Your Home Power Your Life



Maximize self-consumption

The surplus PV power is stored in the battery and then used when PV power is low or at night.

Emergency backup

Guaranteed uninterrupted power supply, no more worries about power outages

Peak-valley arbitrage

Charging by using electricity generated during off-peak hours and discharged to power loads during peak hours to reduce electricity bills.

Energy independence

Provide continuous and stable power support to areas with no grid or unstable grids

Why Dyness Residential ESS?



Safe and
Reliable



Extreme
Performance



Flexible
Expansion



Smart and
Efficiency



Business Card



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