

DYNESS

# Tower Pro

Newly Upgraded Residential Energy Storage  
HV Stackable Battery Solution

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| Model                                     | Tower Pro<br>TP7 | Tower Pro<br>TP11 | Tower Pro<br>TP15 | Tower Pro<br>TP19 | Tower Pro<br>TP23                                     |
|---|------------------|-------------------|-------------------|-------------------|---|
| Product Pattern                           |                  |                   |                   |                   |   |
| Battery Module Type                       |                  |                   |                   |                   | LiFePO <sub>4</sub>                                   |
| Battery Module Quantity                   | 2                | 3                 | 4                 | 5                 | 6   |
| Rated Energy                              | 7.68 kWh         | 11.52 kWh         | 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



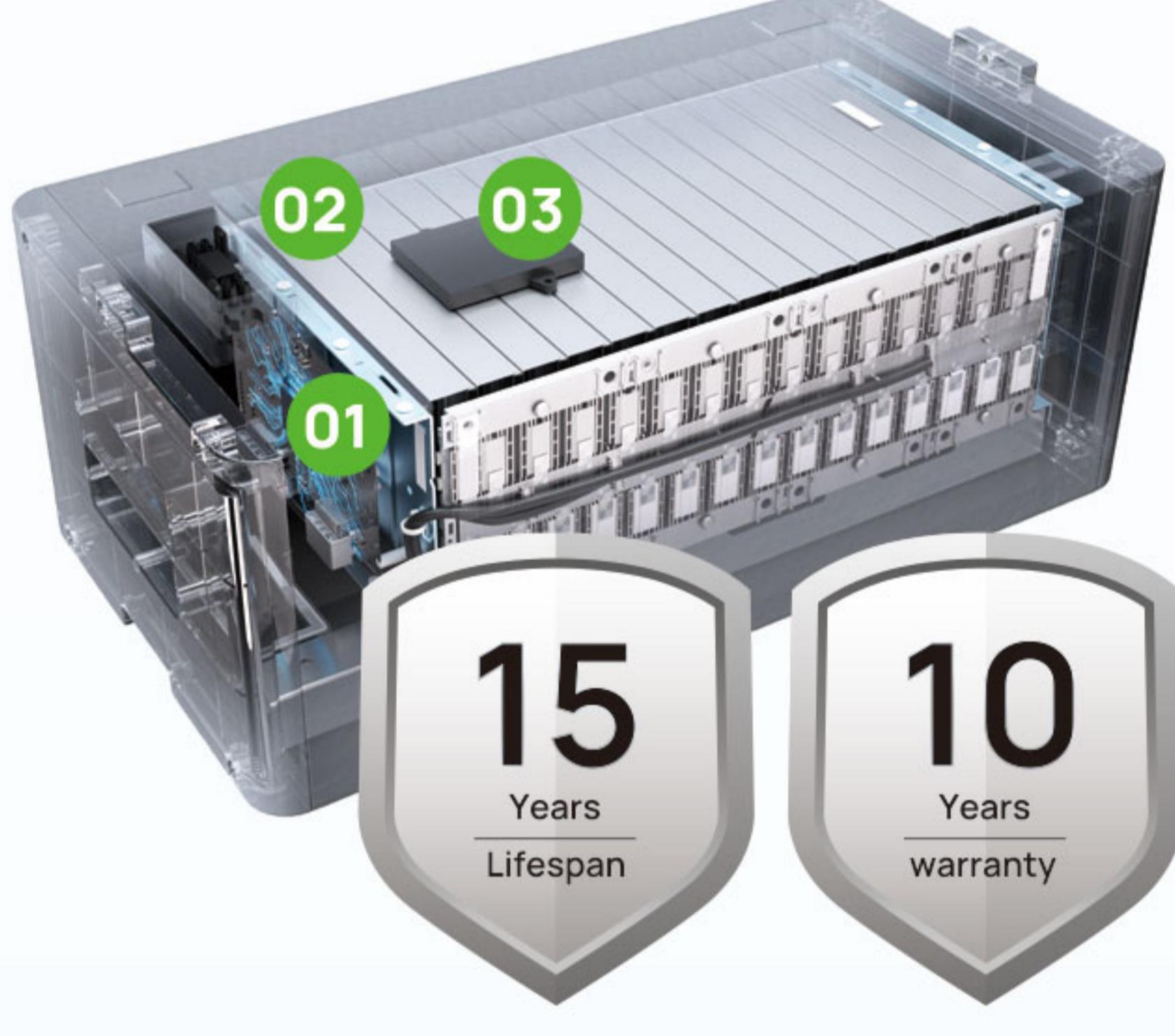
Adjustable Feet

## 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

**1C**  
Rate

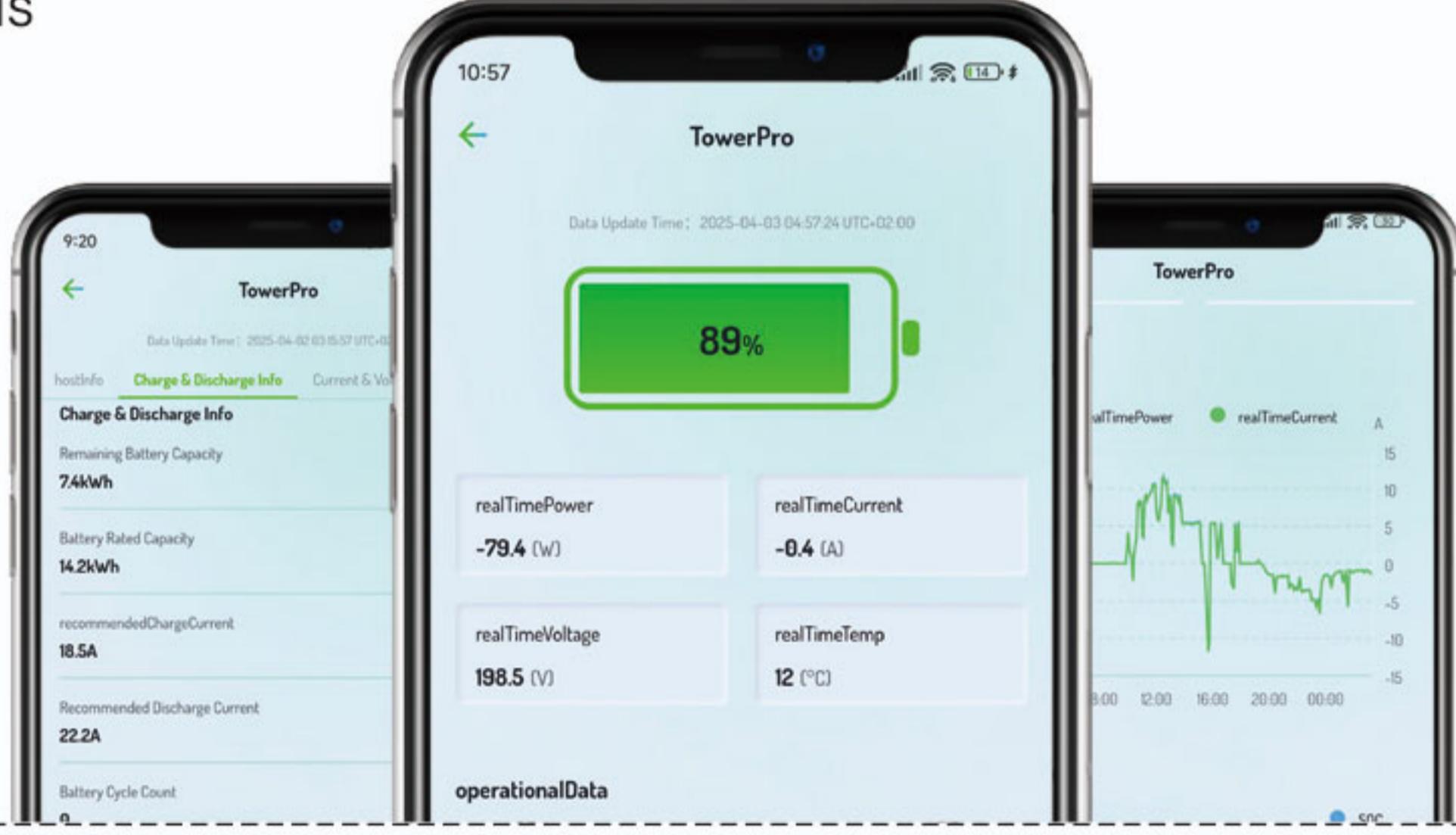


# Extreme Performance in Diverse Environments



## 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<br>Tower Pro TP11*1    |                     |         |       |       |       |
|             | Villa            | 20 kWh<br>Tower Pro TP23      |                     |         |       |       |       |
| Small C&I   | Workshop         | 30 kWh<br>Tower Pro TP15*2    |                     |         |       |       |       |
|             | Convenient Store | 45 kWh<br>Tower Pro TP23*2    |                     |         |       |       |       |
| Medium C&I  | Bakery           | 70 kWh<br>Tower Pro TP23*3    |                     |         |       |       |       |
|             | Office           | 90 kWh<br>Tower Pro TP23*4    |                     |         |       |       |       |
| Large C&I   | Restaurant       | 95 kWh<br>Tower Pro TP19*5    |                     |         |       |       |       |
|             | Farm             | 110 kWh<br>Tower Pro TP23*5   |                     |         |       |       |       |

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

**KOSTAL**

**KACO** new energy.

**Ingeteam**

**solis**

**GOODWE**

**Deye**

**Solplanet**

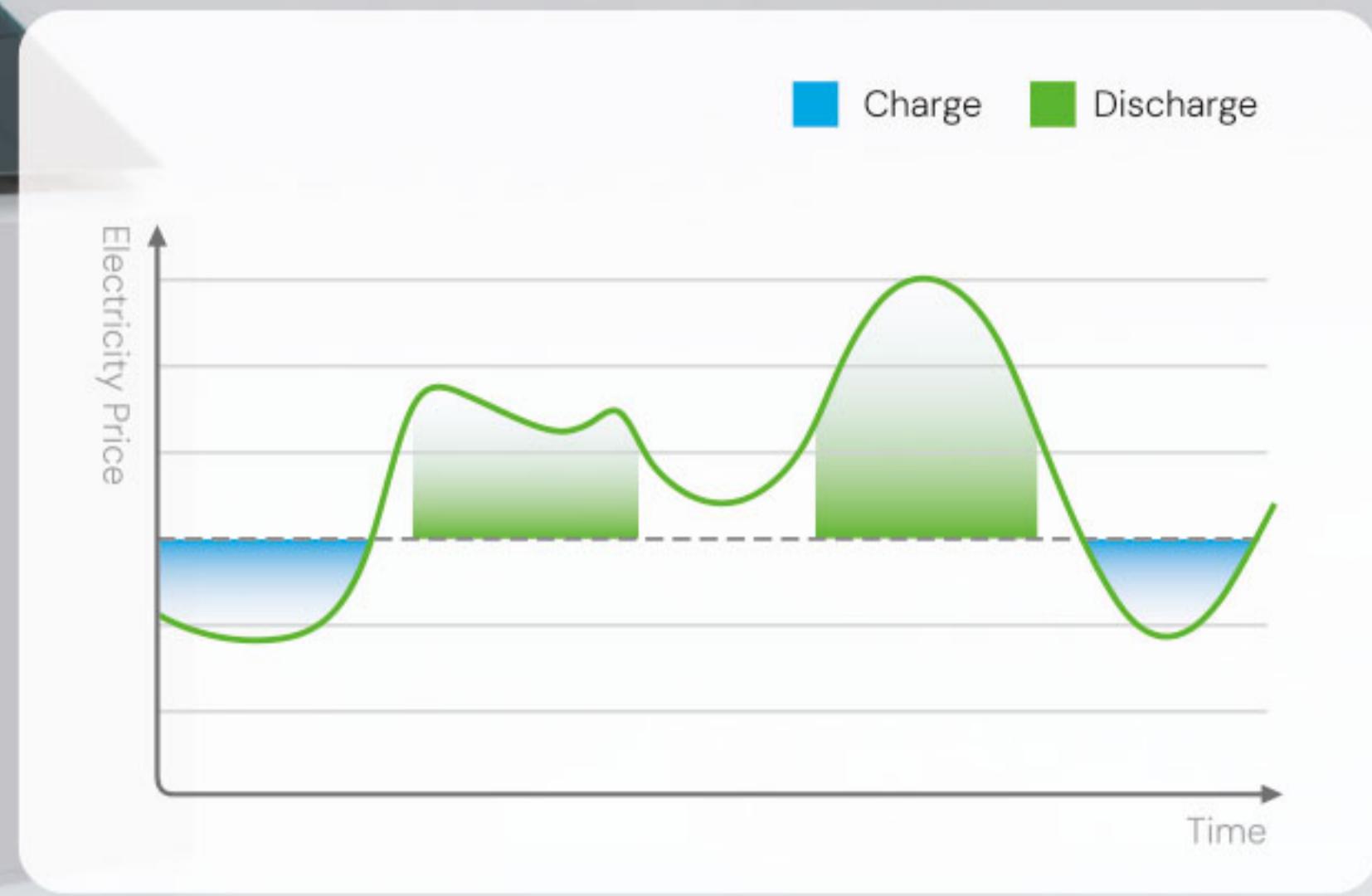
**SOLINTEG**

**holy miles**

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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

**DYNES**



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