

Cygni

Dyness Cygni Series is a brand-new all-in-one residential energy system. This product offers 8kW and 10 kW capacity options, providing an energy coverage range of 7.68 kWh to 15.36 kWh, which ensures energy independence and maximizes savings on utility bills. Its wiring-free stack design simplifies installation, making it more convenient than ever.

DYNESS



Safe & Reliable

Build in active fireprotection system, AI-motivated AFCI, strong cell balance ability



1C Ultra-rapid Charge

Fully charge the battery in just one hour



VPP Ready

Quick demand response



Easy Installation

Wiring-free stack design, one-click commissioning system self-check



IP66 Protection

Fearless of outdoor insatallation, strong environmental adaptability



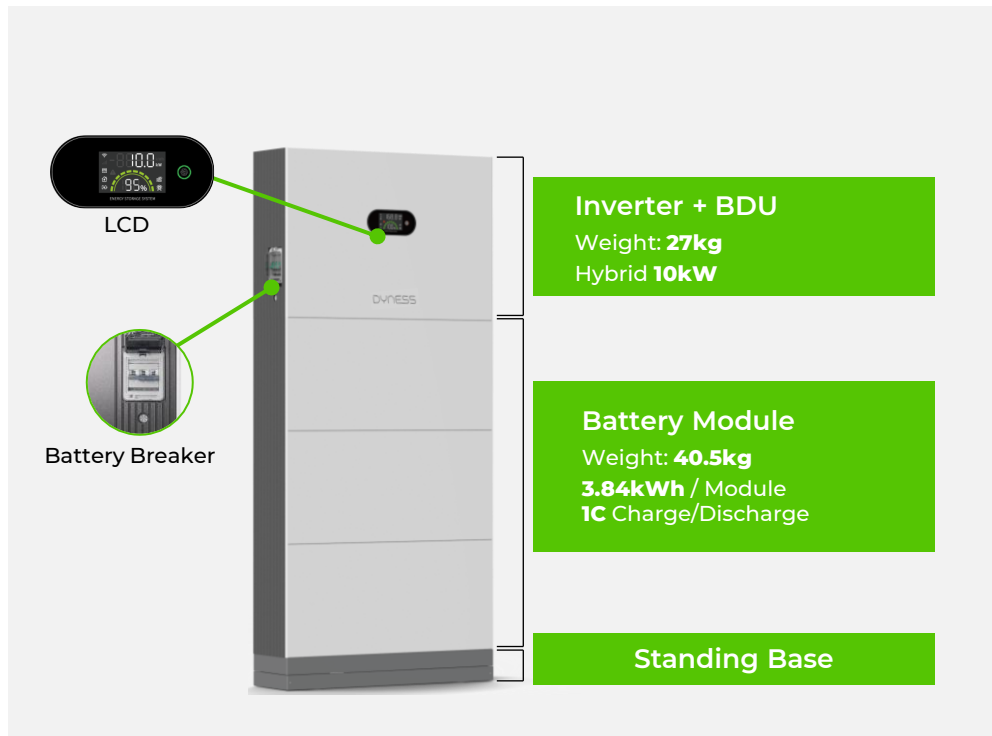
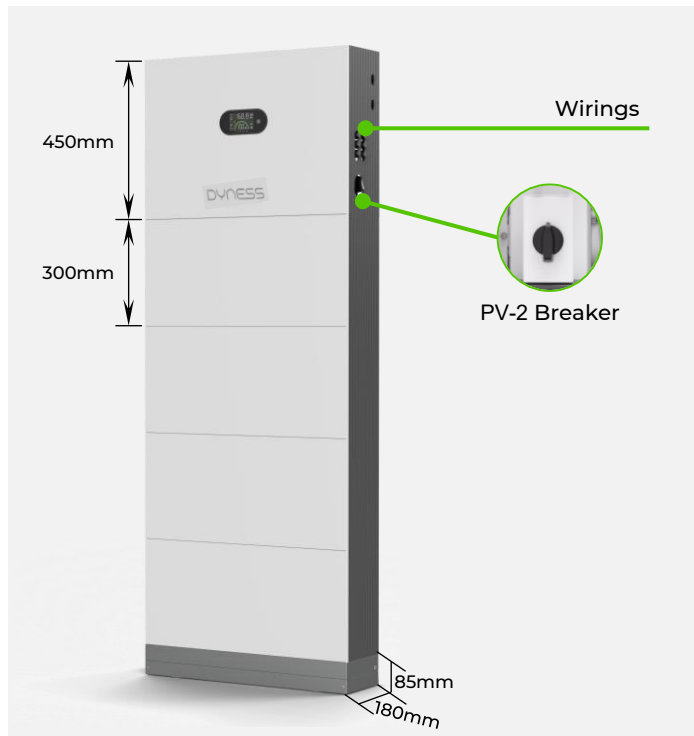
Smart Management

Real-time system monitoring, remote control, OTA updates

Cygni System Overview

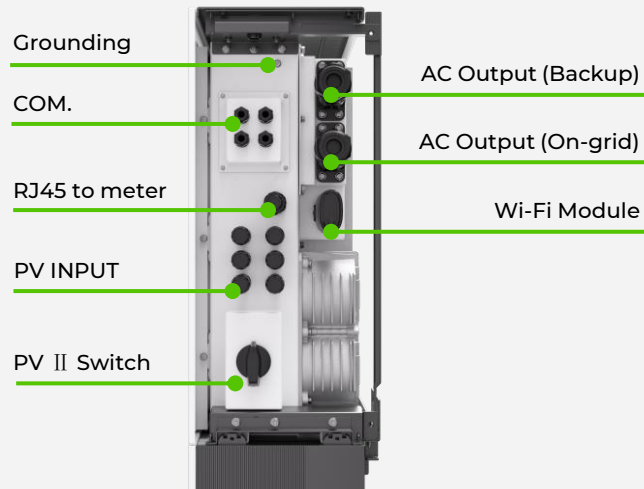
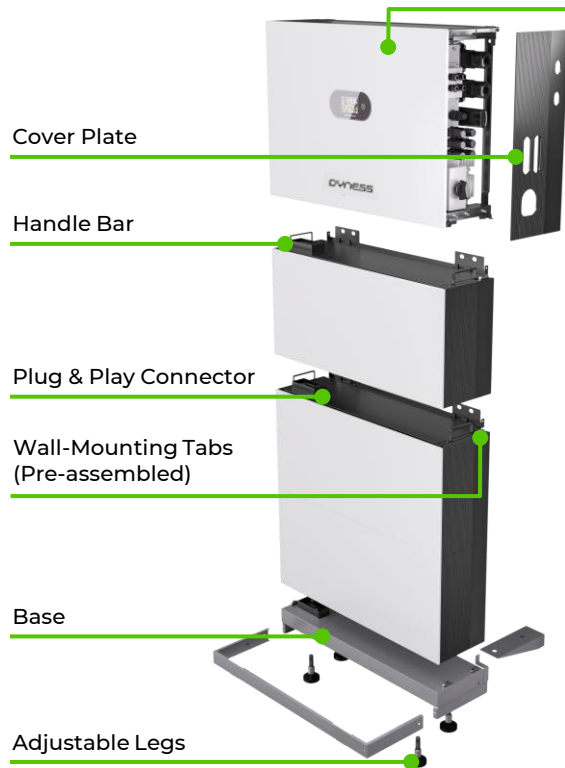
ALL-IN-ONE System | 10kW Single-phase | High-voltage

D



Cygni System Overview

ALL-IN-ONE System | 10kW Single-phase | High-voltage



- Plug & Play Installation
- All Electrical interfaces Covered
- Floor-Mounted or Wall-Mounted

System Set-up & Management



Flexible Options

Wire-Free
Stackable Plug & Play

2 Installation



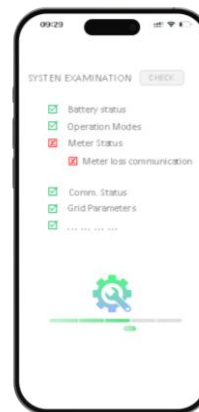
3 Commissioning



1-min
Quick Commissioning

2-mins
System Auto-Examination

4 System Check



Mounting Methods

Wall-mounting Kits



Wall-mounted



Floor-standing



System safety design



General Safety Design

- Anti-island Protection
- PV&BatteryReverse Protection
- Residual Current Monitoring
- Over Current/Voltage Protection
- AC Short Circuit Current Protection

Solar Isolator:

- Integrated, PV II Level

Battery Isolator:

- Integrated, 60A

Surge Protection:

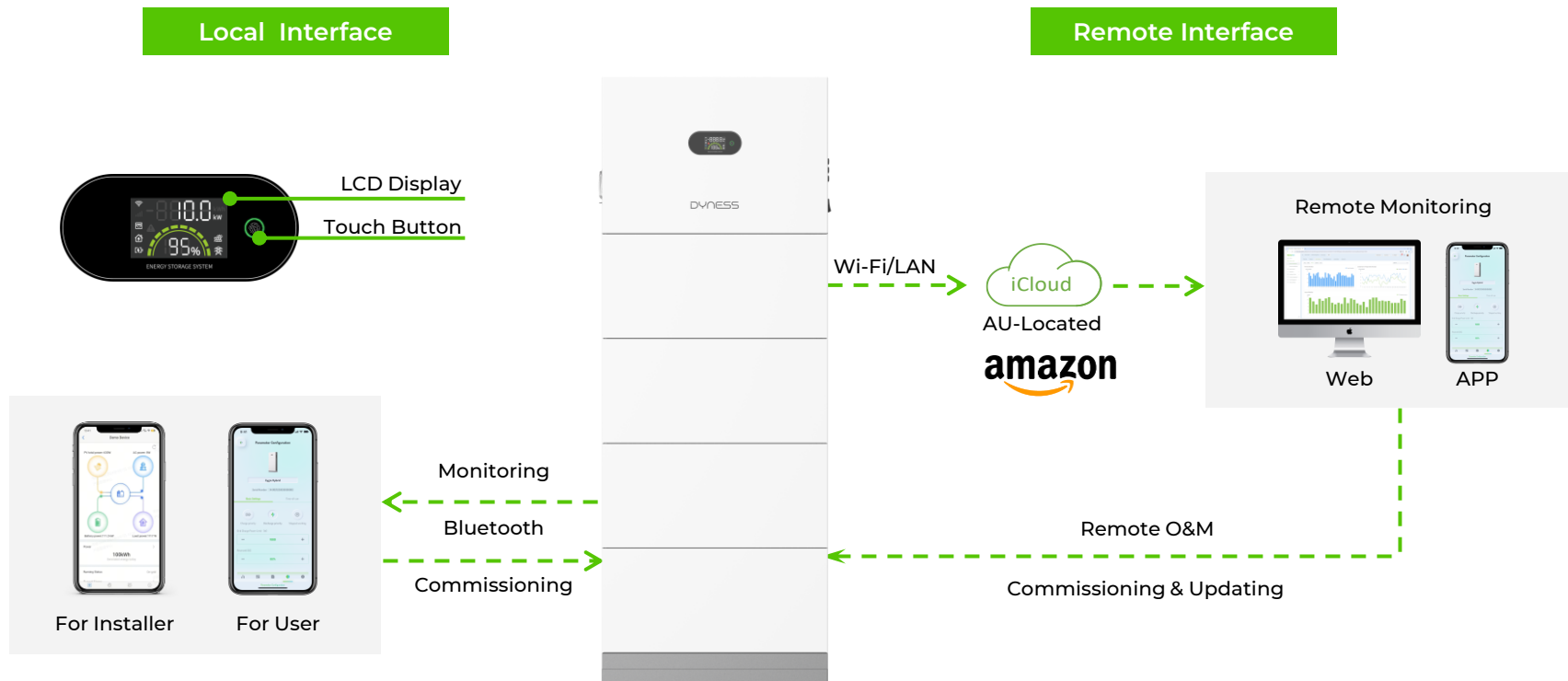
- DC Type II /AC Type III

Cygni Local LCD Monitoring

	To indicate Wi-Fi status.
	To indicate LAN status.
	To indicate Load status.
	To indicate PV status.
	To indicate Battery status.
	To indicate Grid status.
	Warning, to indicate an error



Intelligent Remote Monitoring



Cygni System Key Spec

1C

IP66

D

System Type	Cygni Hybrid	
Inverter Model		Cygni 10.0HS
Battery Type	LiFePO4	
Usable Energy per Module (kWh)	3.84kWh	
Charge/Discharge Rate	1C (40A)	
Max. DOD (Depth of Discharge)	95%	
Charge/Discharge Temp. Range (°C)	0~50 / -10~50	
Cycle Life	≥8000 Cycles	
Max. PV Input Power (W)		15000
MPPT Range (V)	60~550	
Max. Input Current / Short Current (A)	16 / 23	
MPP Trackers / Strings per MPP Tracker	3 / 1	
Nominal Power Output To Grid (VA)		9999
Max Power From Grid (VA)		9999
Max. Backup Output Power (VA)		12000@60s
Backup UPS (ms)	< 10	

System Type	Cygni Hybrid	
Inverter Model		Cygni 10.0HS
Max. Efficiency	97.5%	
DC Switch (PV II)	Solar: Integrated (PV II) Battery: Integrated (60A)	
Fire Protection System	Built-in aerosol fire extinguisher	
Surge Protection	DC Type II / AC Type III	
Operating Altitude (m)	3000	
Cooling	Natural Convection	
Inverter / Battery Module Weight (kg)	27.5 / 40.5	
Installation Methods	Wall-Mounted & Floor-stand	
Communication	Wi-Fi, Bluetooth, Ethernet	
Display	LCD Screen; APP; Web	
Enclosure Type	IP66	
Certifications & Standards	UN38.3, AS 4777.2: 2020, IEC 62109-1/2, IEC62040, CE-EMC	

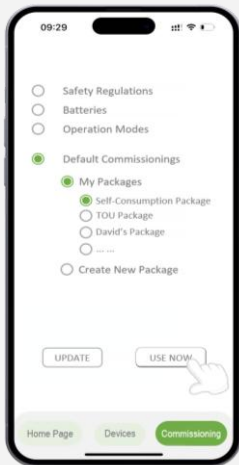
System Abilities

Default Commissioning

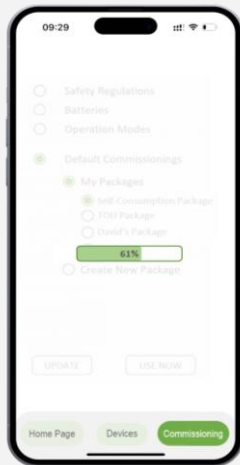
Default Commissioning Solution



Step 1: Choose Commissioning Package



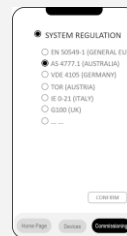
Step 2: Activate



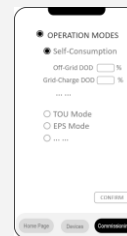
Traditional Commissioning Solution



Step 1: Safety Code



Step 2: Operation Mode



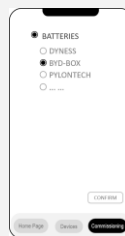
61%

Waiting

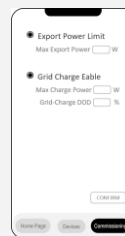
61%

Waiting

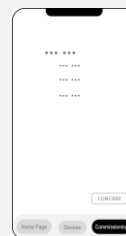
Step 3: Battery



Step 4: Grid Interact



Step N:



61%

Waiting

61%

Waiting

System Abilities

System Self-examination



2mins



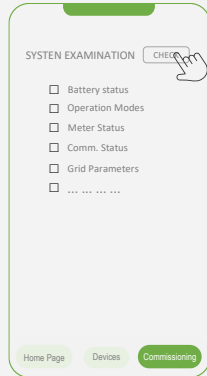
Without Self-Examination



30 mins



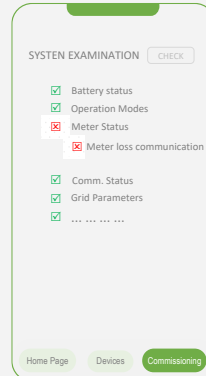
Step 1: Click a Button



Step 2: Have a Coffee



Step 3: Check the Results



wirings



Meter & CT



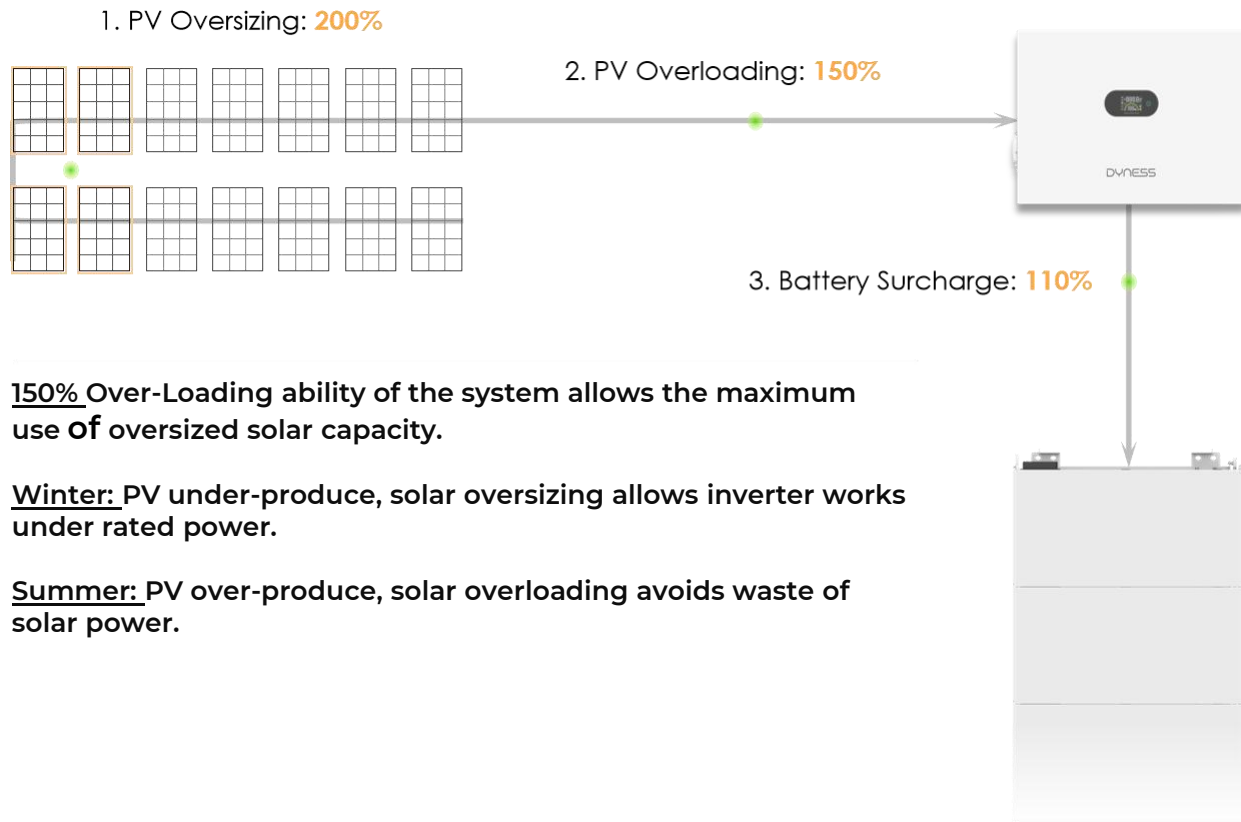
Commissionings



Battery Status



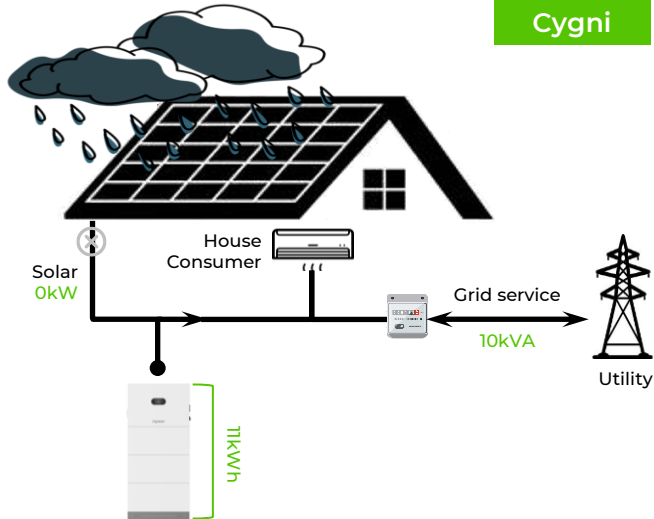
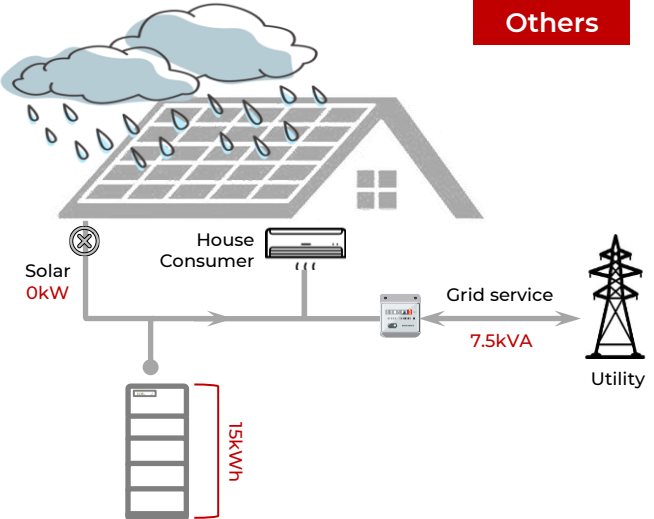
System Abilities



System Abilities

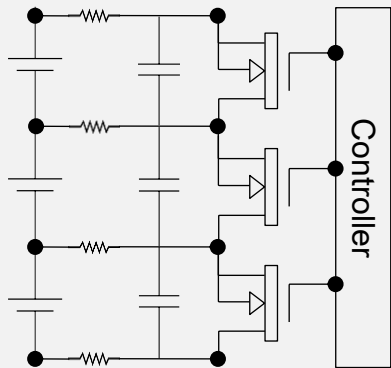
D

1C Charge & Discharge

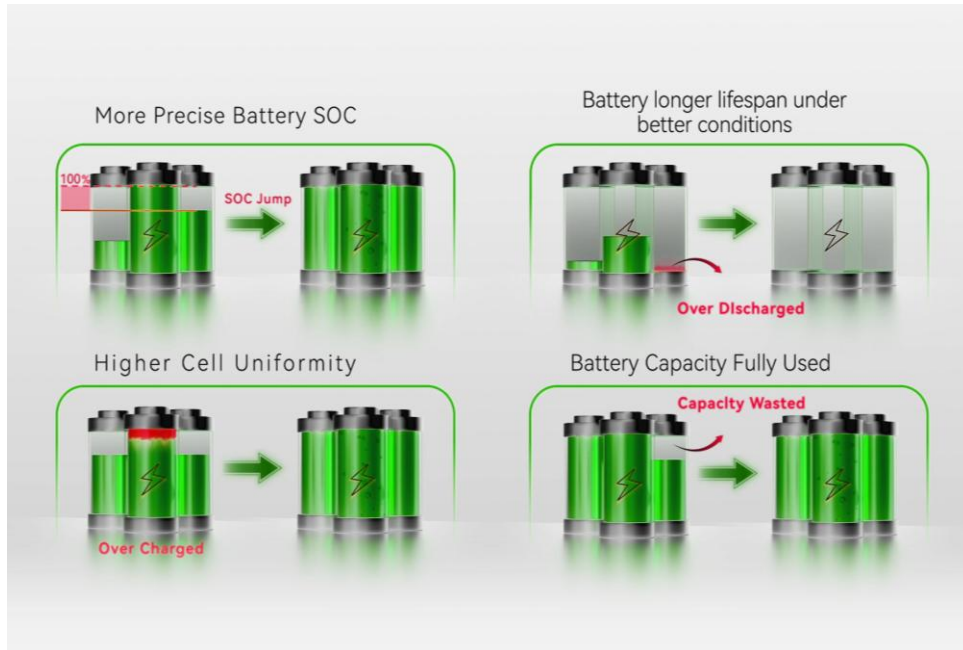
C Rate	1C Rate	0.5C Rate
Investment	Lower	Higher
VPP Income	Higher (average on total investment)	Lower (average on total investment)
Systems	 The diagram shows a house with solar panels and a battery. The solar panels are labeled 'Solar 0kW'. The battery is labeled '11kWh'. The house is labeled 'House Consumer'. The battery is connected to the grid via a 'Grid service' line, which is labeled '10kVA'. The grid is represented by a tower labeled 'Utility'. The battery is labeled 'Cygni'.	 The diagram shows a house with solar panels and a battery. The solar panels are labeled 'Solar 0kW'. The battery is labeled '15kWh'. The house is labeled 'House Consumer'. The battery is connected to the grid via a 'Grid service' line, which is labeled '7.5kVA'. The grid is represented by a tower labeled 'Utility'. The battery is labeled 'Others'.

Strong Cell-Ballance Ability

Passive Cell Balance



- * 30 cells balanced at one time
- * Max 100mA Balancing Current



Mix-use of old & new
battery modules
(3-Year Difference)

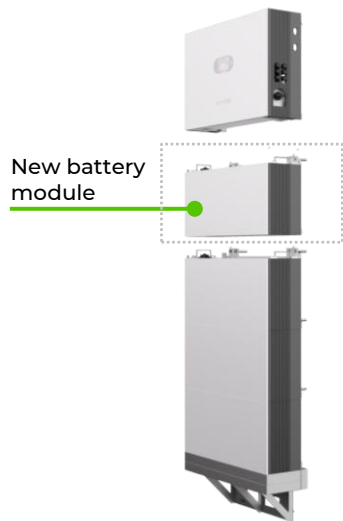
System Abilities

System Expansion (battery)

Battery expansion in 3 years

Battery Expansion #1

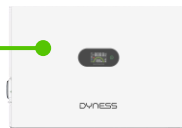
Up to 4 modules (15kWh) in series per cluster



With single phase 10kW inverter, 7.68 - 15.36kWh coverage in one stack, expandable up to 46kwh

Battery expansion - up to 3 in parallel

Inverter



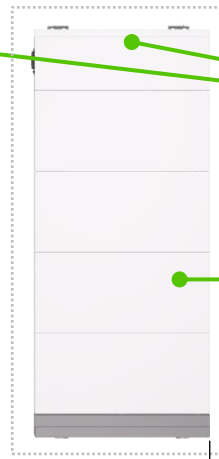
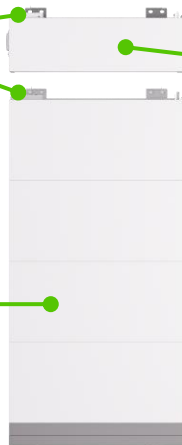
Battery Expansion #2

- * Each cluster
- * Individual BMS
- * Independent DC breaker



Plug & Play
Wireless connection

Battery Modules

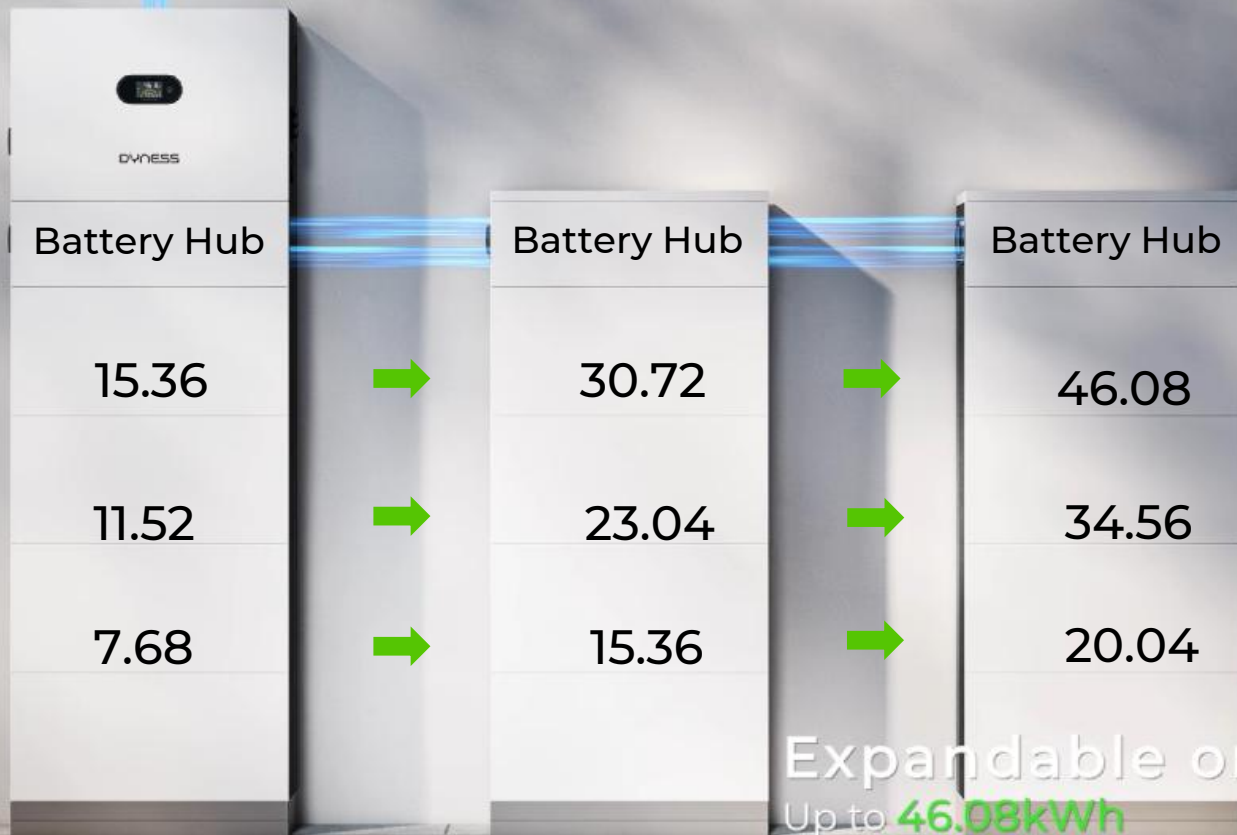


Battery Expansion Mate

New battery cluster

Same number of modules

System Size range



Expandable on demand

Up to **46.08kWh**

Flexible expansion in **3** years

Key Points

With single phase 10kW, 7.68 - 15.36kWh coverage in one stack, expandable up to 46kwh

Why it's a standout:

✓ **Safe & Reliable:** Built - in fire protection + rock - solid cell balance. Your energy setup? Bulletproof.

✓ **1C Ultra - rapid Charge:** 0 to 100% in 60 mins flat. Maximizing solar energy capture during daylight hours Perfect for those “urgent power needs” days.

✓ **VPP Ready:** Syncs with the grid in a flash – future - proof your home for smart energy grids.

✓ **Easy Installation:** Wiring - free, stackable design. Plug'n'Play. And the Dyness app features one-click configuration and one-click self-check functions.



Condensed fire
extinguishing aerosol

Robust Support Structure for Every Step

✓ Pre-Sales Support

We offer comprehensive Solution Planning support, including:

- Technical Guidance
- Training through Webinars, Roadshows, Seminars
- Installer Training
- Dedicated Sales Training Sessions

✓ After-Sales Service System

- 10-year Product Warranty
- Local spare parts and on ground service support personnel
- Local Contact hotline including various contact channels based around your needs.

✓ Marketing Support

We provide marketing resources and promotional support—including

- Co-branded materials
- Social Media exposure
- Case Study publication
- Participation in exhibitions—to help partners grow their visibility and business impact.

Service

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