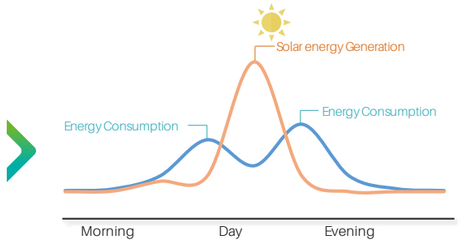
# Residential BESS

Save on your bill, save the world,  with our battery storage.
Little step for our generations to enjoy the safe and clean environment.


## How to save on bill from Residential ESS?

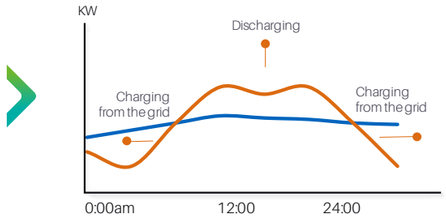
### Self-Consumption Optimization

High energy demand in the morning and evening but solar energy generation is most sufficient during  the Mid-Day. Battery Storage system balance the feeding and demands. Realize your grid independence.




### Benefits from Peak Shaving

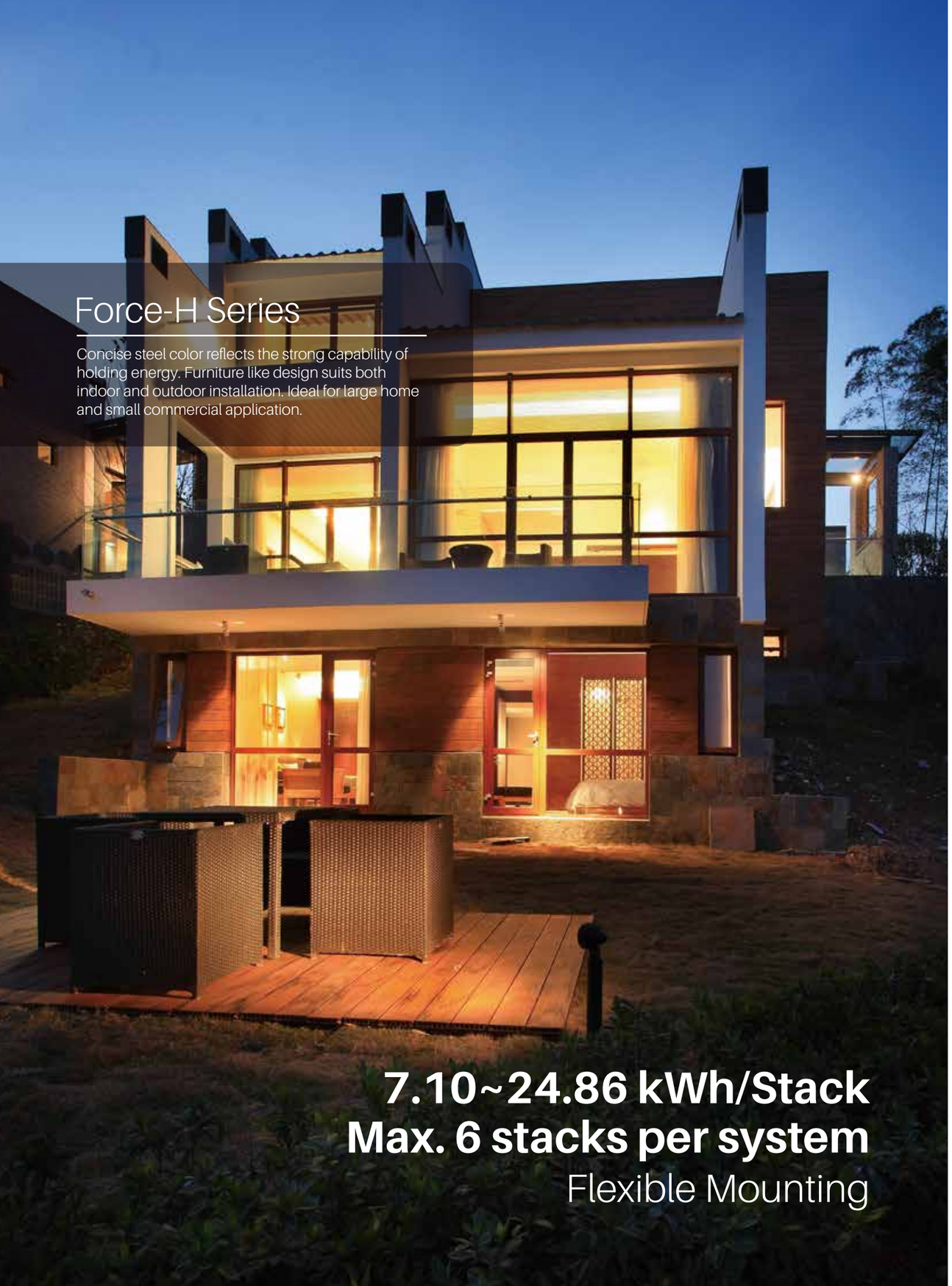
House: Load Shifting
Store the power during off-peak and use the energy at peak-time. Save on the electricity bills by reducing peak demand.




### VPP Revenue

VPP creates a network of renewable energy sources and battery storage systems, connected through a cloud-based technology that manages the stability of clean electricity to maximize your revenue.

Enabling a cost reduction, as well as boosting the system's efficiency



# Force-H Series

Concise steel color reflects the strong capability of holding energy. Furniture like design suits both indoor and outdoor installation. Ideal for large home and small commercial application.

**7.10~24.86 kWh/Stack**
**Max. 6 stacks per system**
Flexible Mounting

## SPECIFICATION (Force-H1-V2/96~336 V)

| Model | | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|
| Basic Parameters | | | | | | | |
| Cell Technology | | Lithium Iron Phosphate | | | | | |
| Battery Module Capacity(Ah) | | 74 | | | | | |
| Battery System Capacity(kWh) | | 7.10 | 10.65 | 14.21 | 17.76 | 21.31 | 24.86 |
| Battery System Voltage(Vdc) | | 96 | 144 | 192 | 240 | 288 | 336 |
| Dimension(W*D*H mm) | | 600*380*530 | 600*380*700 | 600*380*870 | 600*380*1040 | 600*380*1210 | 600*380*1380 |
| Weight(kg) | | 86.5 | 122 | 158 | 194 | 230 | 266 |
| Depth of Discharge | | 95% | | | | | |
| Charge/ Discharge Current(A) | (Recommend) | 37 | | | | | |
| | (Max) | 40 | | | | | |
| | (Peak @15s) | 42 | | | | | |
| Communication Port | | RS485, CAN | | | | | |
| Protection Class | | IP55 | | | | | |
| Max. stack amount per system | | 7 | | | | | |
| Working Temperature/ ℃ | | 0~50 | | | | | |
| Shelf Temperature/ ℃ | | -20~60 | | | | | |
| Humidity | | 5%~95%(w/o condensing) | | | | | |
| Altitude | | ＜2000 | | | | | |
| Design Life | | 15+ Years (25℃) | | | | | |
| Cycle Life | | ＞6000, 25℃ | | | | | |
| Authentication level | | UL1973/UL9540A/VDE2510-50/IEC62619/IEC62477/IEC62040/CE/UN38.3 | | | | | |

# Your ideal **Residential BESS**

**Safety**
Multi-protection from self developed BMS

**Optimal Electricity Cost**
Long cycle life and superior performance

**Compact Size & Easy installation**
Modular design help for quick installation

**Easy to Scale Up**
Be workable to be parallel based on 48V

**Compatibility**
Compatible with Tier 1 inverter brands

Complete Safety Certification

## SPECIFICATION (Force-H2-V2/192~384 V)

| Model | | 2 | 3 | 4 |
|---|---|---|---|---|
| Basic Parameters | | | | |
| Cell Technology | | | Lithium Iron Phosphate | |
| Battery Module Capacity(Ah) | | | 37 | |
| Battery System Capacity(kWh) | | 7.10 | 10.65 | 14.21 |
| Battery System Voltage(Vdc) | | 192 | 288 | 384 |
| Dimension(W*D*H mm) | | 450*296*822 | 450*296*1120 | 450*296*1414 |
| Weight(kg) | | 82 | 117 | 152 |
| Depth of Discharge | | | 95% | |
| Charge/ Discharge Current(A) | (Recommend) | | 18.5 | |
| | (Max) | | 40 | |
| | (Peak @15s) | | 42 | |
| Communication Port | | | RS485, CAN | |
| Protection Class | | | IP55 | |
| Max. stack amount per system | | | 4 | |
| Working Temperature/ ℃ | | | 0~50 | |
| Shelf Temperature/ ℃ | | | -20~60 | |
| Humidity | | | 5%~95%(w/o condensing) | |
| Altitude | | | ＜2000 | |
| Design Life | | | 15+ Years (25℃) | |
| Cycle Life | | | ＞6000, 25℃ | |
| Authentication level | | | VDE2510-50/IEC62619/IEC62477/ IEC62040/CE/UN38.3 | |