

БРОШЮРА
Pylontech US3000C

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PYLON

Residential BESS

Rack Mounted type-LV



Safety

Multi-protection from self developed BMS



Optimal Electricity Cost

Long cycle life and superior performance



Compact Size & East Installation

Module design help for quick installation



Easy to Scale Up

Be workable to be parallel based on 48V



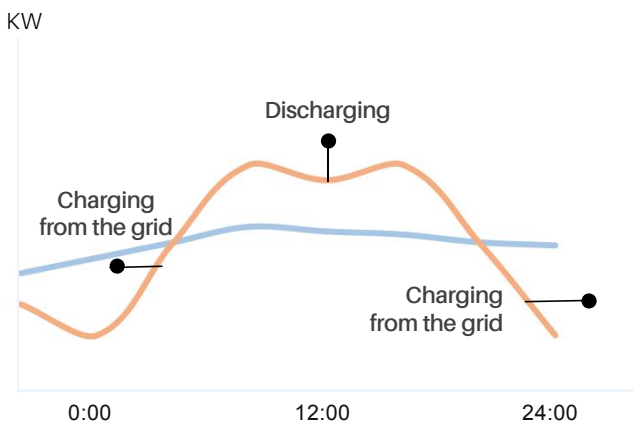
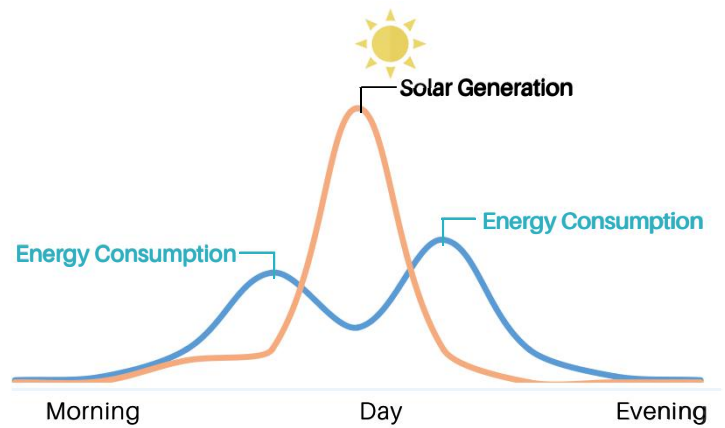
Compatibility

Compatible with Tier 1 inverter brands

How to save bill from Residential ESS?

1. Self-Consumption Optimization

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



2. Benefits from Peak Shaving

House: Load Shifting

Store the power during low-peak and use the energy at peak-time. Save the money which happens arising from peak rate.

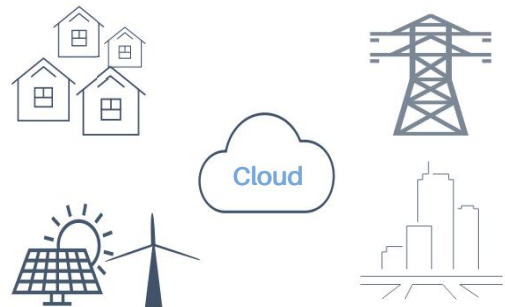
Transmission&Distribution: peak Shaving

Save on the electricity bills by reducing peak demand

3. 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



SPECIFICATION (48V)



| Module | US2000C | US3000C | US5000 | |
|------------------------------------|---|---|---|---------------|
| Basic Parameters | | | | |
| Nominal Voltage (Vdc) | 48 | 48 | 48 | |
| Nominal Capacity(Wh) | 2400 | 3552 | 4800 | |
| Usable Capacity(Wh) | 2280 | 3374 | 4560 | |
| Dimension(mm) | 442*410*89 | 442*420*132 | 442*420*161 | |
| Weight(kg) | 22.5 | 32 | 39.7 | |
| Charge/ Discharge Current(A) | (Recommend) | 25 | 80* | |
| | (Max. Continuous) | 25 | 100* | |
| | (Peak 1) | 50~89@60sec | 74~89@60sec | 101~120@15min |
| | (Peak 2) | 90~200@15sec | 90~200@15sec | 121~200@15sec |
| Communication Port | | RS485,CAN | | |
| Single string quantity(pcs) | 16 | 16 | 16 | |
| Working Temperature/ °C | Charge | 0~50 | | |
| Working Temperature/ °C | Discharge | -10~50 | | |
| Shelf Temperature/ °C | | -20~60 | | |
| Short current/duration time | <4000A/2ms | <4000A/2ms | <2000A/1ms | |
| IP rating of enclosure | | IP20 | | |
| Cooling type | | Natural | | |
| Humidity | | 5% ~ 95%(RH) No Condensation | | |
| Altitude(M) | | <4000 | | |
| Design life | | 15+ Years (25°C/77°F) | | |
| Cycle Life | | >6,000 25°C | | |
| Authentication Level | UL1642/ IEC62619 /ICE63056 /ICE61000-6-2/3 UN38.3 | UL1973 /UL1642/UL9540A /VDE2510-50/IEC63056 /IEC62619/IEC62040/IEC62477-1 /ICE61000-6-2/UN38.3 | UL1973/UL9540A IEC62619/IEC63056 /ICE61000-6-2/3 /UN38.3 | |

*: The recommended and max. continuous operation current is for a battery cell temperature within 10~40°C to consider, out of such temp. range will cause a derating on operation current.

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СМОТРИТЕ ТАКЖЕ



Аккумуляторные батареи



Источники бесперебойного питания



Стабилизаторы напряжения



Защитные реле



Генераторы



Батарейки



Портативные зарядные станции



Удлинитель



Пуско-зарядные устройства

VNCON

ЭКСПЕРТ 3 ИНЖЕНЕРНЫХ РЕШЕНИЙ