

Enerlution

HIGH-VOLTAGE RESIDENTIAL
SYSTEM

3-6 kW / 10-20 kWh High-Voltage ESS

High-voltage hybrid inverter + GH10
Pro battery
Integrated 230 V single-phase energy storage
for residential applications, with backup
capability and EMS supervision.

3-6 kW

Hybrid inverter

10-20 kWh

Battery options

205-410 V

High voltage



Compact high-voltage residential ESS architecture

3-6 kW hybrid inverter with 10.65 / 15.97 / 21.30 kWh GH10 Pro battery and EMS monitoring.

HYSH 3000-6000



3-6 kW high-voltage single-phase hybrid inverter

GH10 Pro



10.65-21.30 kWh high-voltage stackable battery

3-6 kW

High-voltage single-phase hybrid inverter

10 / 15 / 20 kWh

GH10 Pro LiFePO4 battery options

IP65

Inverter and battery protection class

EMS / App

Status, alarms and energy data



Inverter platform HYSH 3000-6000

230 Vac single phase / 80-480 V battery

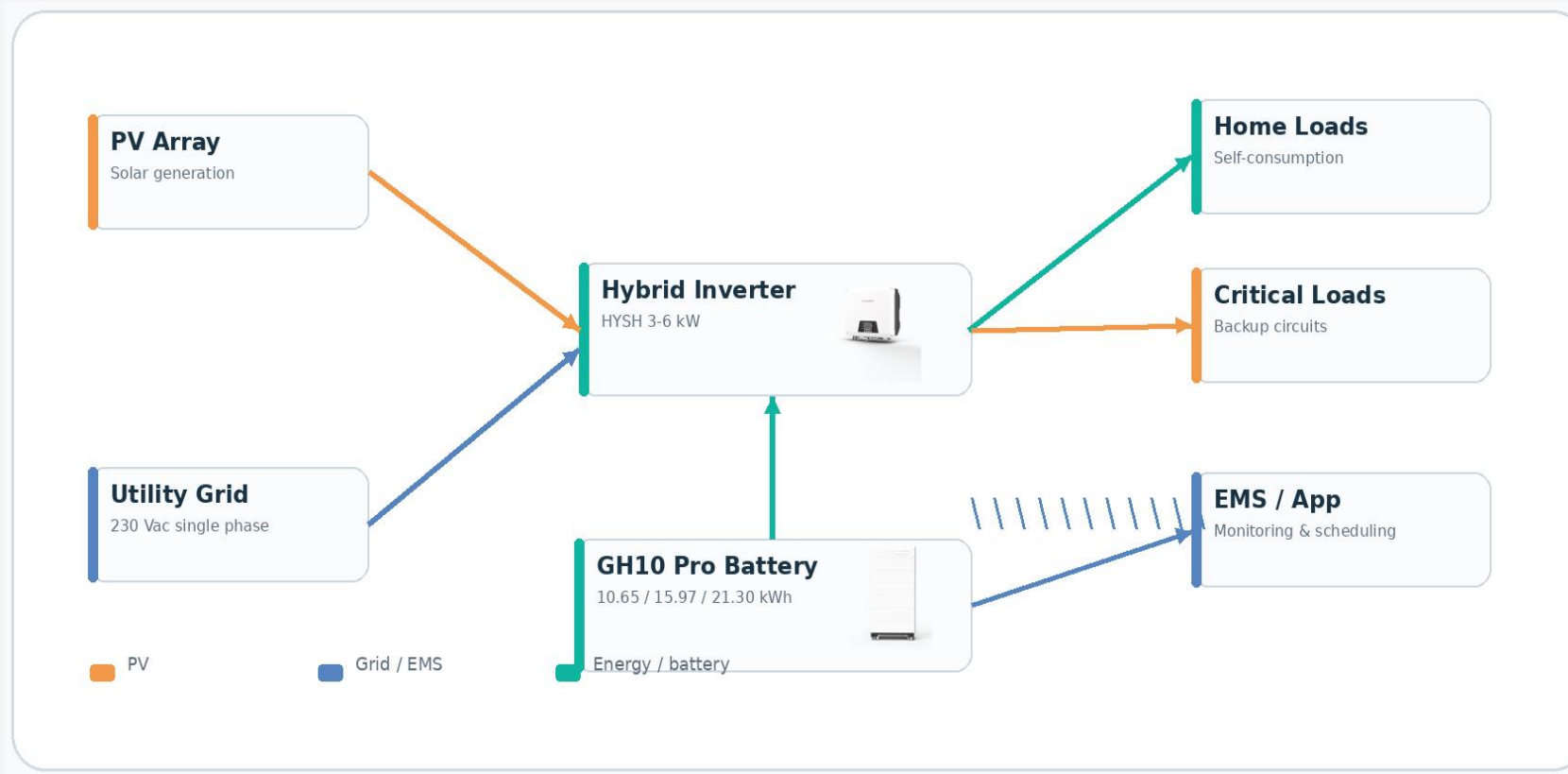


Battery platform GH10 Pro

10.65 / 15.97 / 21.30 kWh
stackable LiFePO4 battery

HV single-phase architecture and energy flow

PV generation, utility grid, battery storage and household loads are coordinated through the hybrid inverter and EMS.



Single-phase AC

230 V architecture for residential loads and backup circuits.

High-voltage storage

10.65 to 21.30 kWh LiFePO4 capacity with high-voltage battery management.

Energy scheduling

Coordinates self-consumption, tariff schedules, backup reserve and critical loads.

Core product specifications

Selected electrical, environmental and communication parameters for the proposed system configuration.



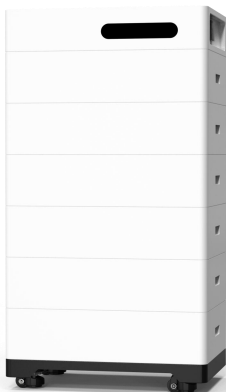
HYSH 3000-6000

High-voltage single-phase hybrid inverter

Rated AC power
3-6 kW

AC output
230 V

PV input	4.95-9.6 kW max PV, 600 V max, 2 MPPTs
Battery input	80-480 V, 25 A charge / discharge
AC output	3 / 3.68 / 5 / 6 kW, 230 V
Backup	<10 ms transfer; 230 V backup output
Protection	IP65; RS485 / Wi-Fi / 4G / LAN; CAN/RS485



GH10 Pro

High-voltage stackable LiFePO4 battery

Energy (kWh)
10.65 / 15.97 / 21.30

Voltage
204.8 / 307.2 / 409.6 V

Chemistry	LiFePO4, 90% DOD
Current	35 A charge / 35 A discharge
Cycle life	>6000 cycles @25°C, 0.5C
Installation	Floor-standing stackable; 2-4 modules
Protection	IP65; discharge -20~55°C

Battery data: GH10 Pro datasheet | Inverter data: HYSH 3000-6000 datasheet

SMART ENERGY MANAGEMENT FOR HOUSEHOLDS

Eniris EMS is our smart energy management solution for households, optimizing batteries, solar inverters, EV chargers, and heat pumps to maximize efficiency and savings.

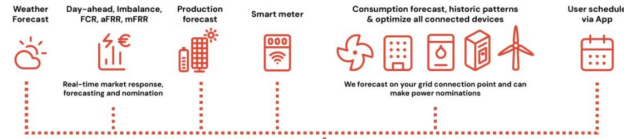
Energy Market Access & Forecast Integration

Integrates market signals and forecasts for locally informed operation.

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Local Optimization Algorithm

Schedules assets using tariffs, weather data and operating history.



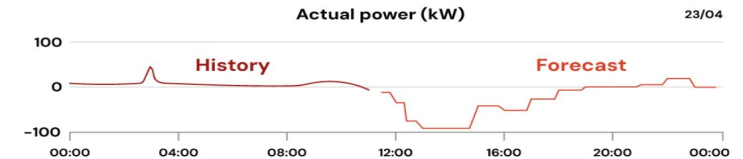
Backup Power & Load Prioritization

Maintains reserve SOC and prioritizes critical loads during grid outages.



Consumption & Production Forecasting

Anticipates demand and PV output to improve dispatch and self-consumption.



Curtailement Management

Limits PV export during negative-price or imbalance-risk periods.

