



YHI POWER
Battery Power You Can Rely On

FNS POWER



All-in-one ***Solar Energy Storage System***

Brief Introduction

All-in-one energy storage system consists of LFP battery modules, hybrid inverter and advanced remote monitoring App.

It is pre-programmed ESS for backup power, TOU, zero export, peak shaving and self-consumption of solar PV.

- Higher ROI
- Slim, smart and affordable
- Installation time is 2 x faster than competitors
- Modular system 4.8kWh increments
- AC coupled system and/or DC coupled system
- Market-leading 10 years warranty (LFP Battery)
- 93% round-trip efficiency (PV-battery-load)
- Monitoring from anywhere, anytime
- Automatically detect grid outages and seamlessly transit your home to backup power.
- Outdoors rated NEMA 3S/IP54

Specifications

FSHM05010AUN

PV String Input Data

Max DC Input Power(W)	6500
PV Input Voltage(V)	370V(125V~500V)
MPPT Range(V)	150~425
Start-up Voltage(V)	125
PV Input Current(A)	13A+13A
Max.PV Ise(A)	17A+17A
Number of MPPT / Strings Per MPPT	2/1+1

Battery Data

Battery Type	LiFePO4
Nominal Voltage(V)	48
Battery Voltage Range(V)	43.5V-54
Max Charging/Discharging Current(A)	120
Battery Storage Capacity(kWh)	9.6

AC Output Data

Rated AC Output and UPS Power(W)	5000	Output Frequency & Voltage	50Hz; 230V/240Vac
Max. AC Apparent Power(VA)	5000	Grid Type	Single Phase
Max. Output Rated Current(A)	21.7		

General Data

Operating Temperature Range(°C)	-20~50°C
Noise(dB)	< 30
Communication With BMS	RS485, Can
Weight(kg)	Up to 180kg
Size(W×D×H)(mm)	645*272*1600
Protection Degree	IP65
Max. Efficiency	97.6%

Certifications and Standards

Grid Regulation	VDE4105,CEI0-21,AS/NZS477.2,VDE0126,IEC62116,IEC61727,699,698, C10-11,EN50549-1,UNE217002,NBR16149/NBR16150
Safety EMC/Standard	IEC/EN62109-1/-2,IEC/EN61000-6-1/-2/-3/-4
Battery	UL1642, UL1973, CE, IEC62619, UN38.3, UL9540A, CEC



Contact Us

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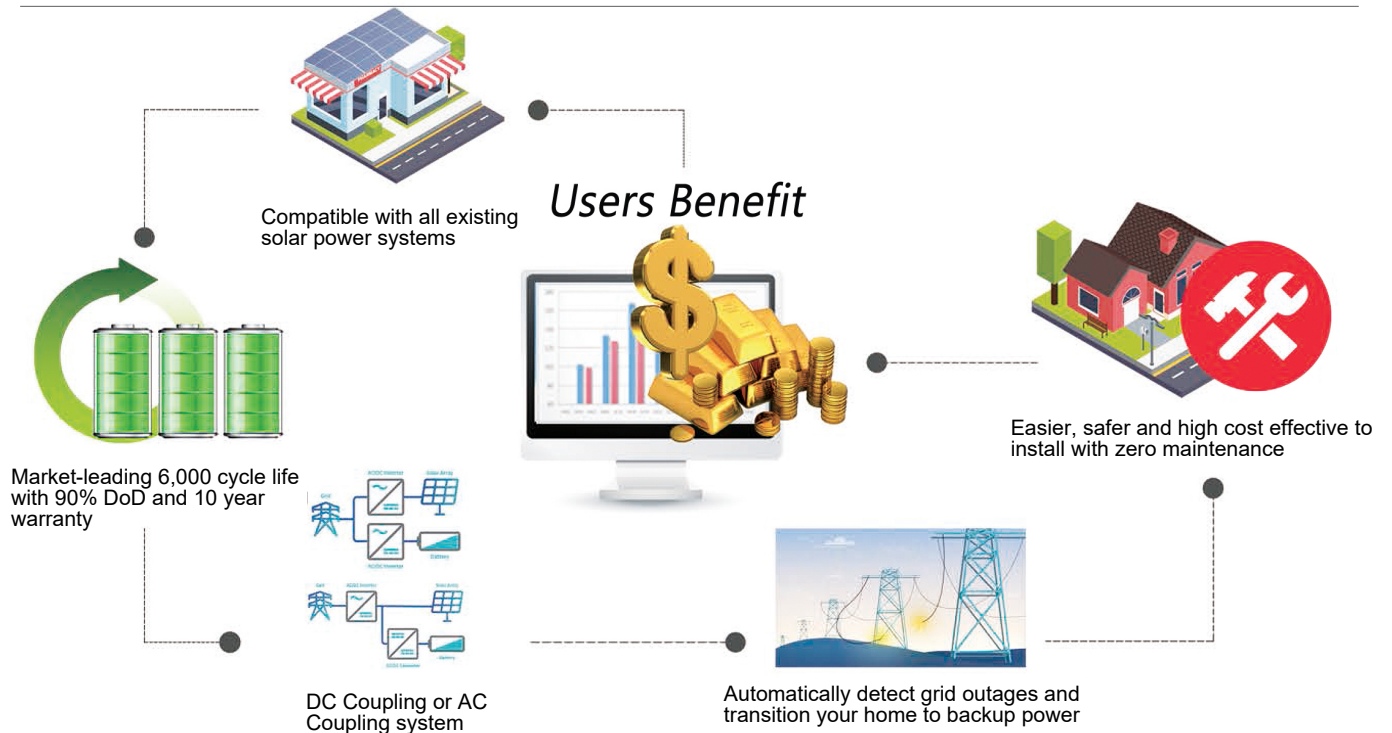
System Summary:

FNS Gripline series, characterized as On-grid, all-in-one design, is a fully-integrated residential, intelligently managed and monitored energy storage system that includes lithium iron phosphate batteries and a hybrid solar battery inverter controlled by copyright software.

System Advantages:

- Intelligent user-friendly monitoring APP available remotely on both website and mobile phone, managing analytics and insight on solar production, load consumption and battery SOC;
- E-Cube UL certified LFP battery modules in built;
- Multiple energy sources: Automatic switch between grid, generator, solar, wind, battery and other sources connected;
- Multiple communication modes: Canbus, RS485 and others required;

Users Benefits:



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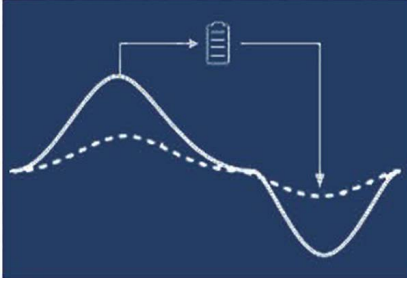
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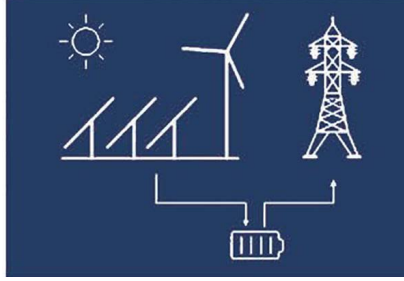
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Application:

Demand Charge Management



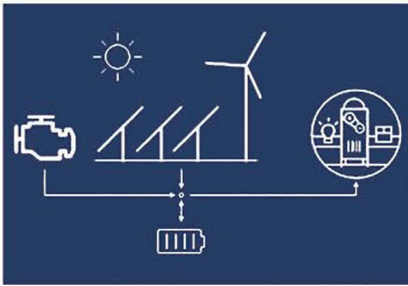
Customer Self Supply



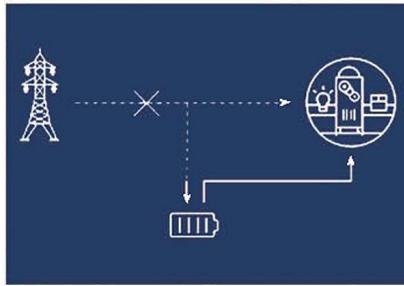
Time of Use Setting



Micro-Grid



Backup Power



Time of Use Setting

