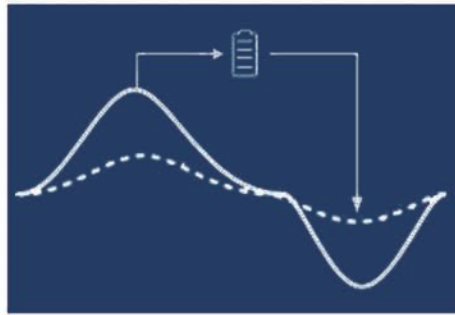
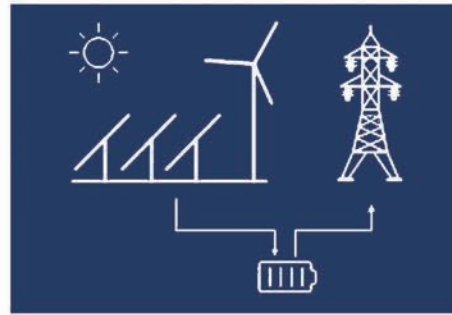


Applications:

Demand Charge Management



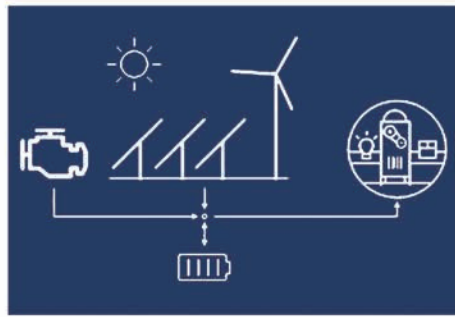
Customer Self Supply



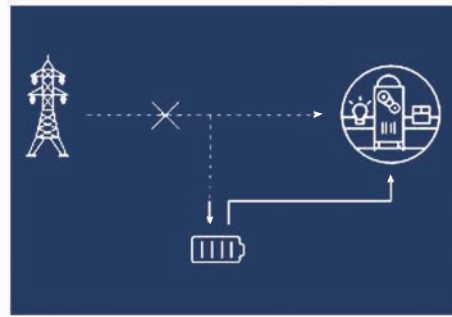
Time of Use Setting



Micro-Grid



Backup Power



Zero Export



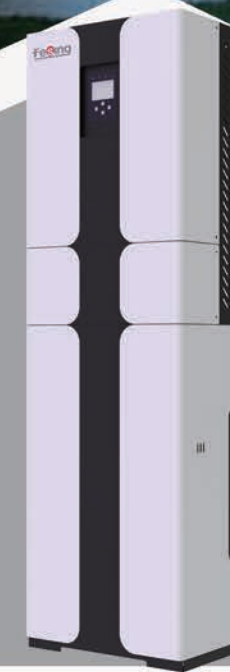
# FNS Power Technology, Power Your Life



Extension:



FNS Power Technology Inc.



All-in-one  
on-grid Solar Energy  
Storage System

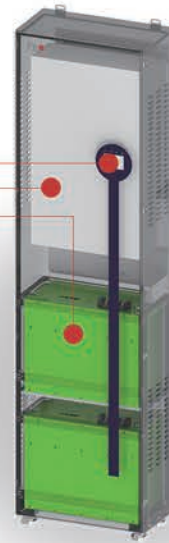
Gripline Series

**System Summary:**

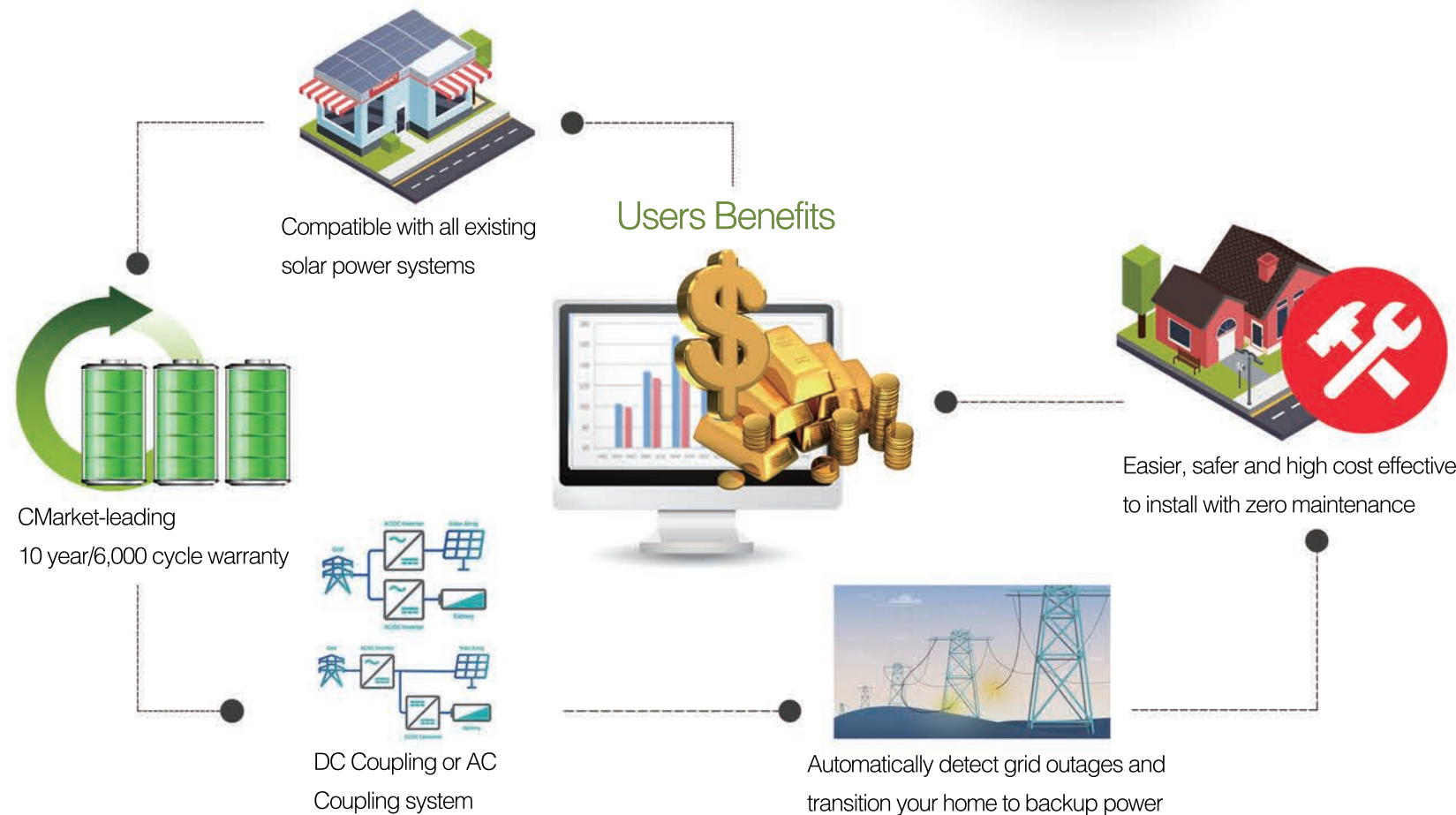
FNS Gripline series, characterized as On-grid, all-in-one design, is a fully-integrated residential, intelligently managed and monitored energy storage system that includes lithium iron phosphate batteries and a hybrid solar/battery inverter controlled by copyright software.

**System Advantages:**

- Intelligent user-friendly monitoring APP: available remotely on both web 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:**



**Specifications :**

Model	Gripline 5-10
<b>PV String Input Data</b>	
Max DC Input Power(W)	6500W
PV Input Voltage(V)	370V(100V ~ 500V)
MPPT Range(V)	125V ~ 425V
Start-up Voltage(V)	150V
PV Input Current(A)	11A+11A
NO.of MPPT Trackers	2
NO.of MPPT Strings Per MPPT Tracker	1+1
<b>Battery Data</b>	
Battery Type	LiFePO4
Nominal Voltage (V)	48V
Battery Voltage Range(V)	40 ~ 60V
Max Charging Current(A)	120A
Max Discharging Current(A)	120A
Charging Curve	CC / CV
Storage Capacity(kWh)	9.6kWh
<b>AC Output Data</b>	
Rated AC Output and UPS Power(W)	5000W
Max AC Output Power(W)	5500W
Peak Power(off grid)	2 Times of Rated Power,10S
AC Output Rated Current(A)	20.8A
Max AC Current(A)	22.9A
Output Frequency and Voltage	50 / 60Hz; 220 / 230 / 240Vac (single phase)
Grid Type	Single Phase
<b>General Data</b>	
Operating Temperature Range(°C)	-20 ~ 50°C
Noise(dB)	< 30
Communication With BMS	RS485, CAN
Weight(kg)	170kg
Protection Degree	IP65
Size (W×D×Hmm)	550×295×1775
<b>Certifications and Standards</b>	
Grid Regulation	UL1741, IEEE1547, RULE21, VDE0126, AS4777, NRS2017, G98, G99
Safety Regulation	IEC62109-1, IEC62109-2
EMC	EN61000-6-1, EN61000-6-3, FCC 15 class B
Battery certificates	UL1642, UL1973, UL9540A, UN38.3