



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
- 93% round-trip efficiency (PV-battery-load)
- Monitoring From Anywhere, Anytime
- Automatically detect grid outages and seamlessly transit your home to backup power.
- Indoors and Outdoors NEMA 3S/IP54

Specifications

Gripline-6K			
PV String Input Data			
Max DC Input Power(W)	8000		
PV Input Voltage(V)	370V(150V~550V)		
MPPT Range(V)	150~550		
Start-up Voltage(V)	150		
PV Input Current(A)	13A+13A		
NO.of MPPT Trackers	2		
Battery Data			
Battery Type	LiFePO4		
Nominal Voltage(V)	48		
Battery Voltage Range(V)	42V-59		
Max Charging Current(A)	75		
Max Discharging Current(A)	75		
Continuous Charging/Discharging Power(W)	3680		
Max. Charging/Discharging Power(W)	4000W/10s		
Storage Capacity(kWh)	9.6		
AC Output Data		Stand Alone Data	
AC Nominal Power(W)	6000	Max. AC Apparent Power(VA)	3680
Max. AC Apparent Power(VA)	6000	Nominal Frequency and AC Voltage	60Hz/240Vac
Max. Output Current(A)	27	Max. Output Current(A)	16
Output Frequency & Voltage	60Hz; 120V/240Vac(split phase) 208Vac(183-228V) 240Vac(211-264V)	THDv	<1.5%@50%load
Grid Type	Split Phase/Single	Switch Time	<= 1s
General Data			
Operating Temperature Range(C)	-25~50 C		
Noise(dB)	< 25		
Communication With BMS	Can		
Weight(kg)	Up to 160kg		
Size(WxDxH)(in)	25*14.8*70.9		
Protection Degree	IP54		
Altitude	6562ft(2000m)		
Certifications and Standards			
Inverter	UL1741:2018,CSA C22.2 No.107.1:2016, IEEE 1547:2003,IEEE 1547A:2014,IEEE 1547.1:2005; RULE21+Rule 14H+SRD1.1,FCC(EMC) standards:part 15B		
Battery	UL1642, UL1973, IEC62619, UN38.3, UL9540A, SGIP listed (CA)		



Support

FNS customers save money and avoid equipment downtime when they take advantage of FNS's renowned 24/7 free project-specific consulting, after-sales support, expert advice, and troubleshooting.



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