

solarF ID: FOSFE016

— By Fire Energy Group

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Fire Energy Off-Grid PV System-120Wp

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System Overview



- **Brief:** The off-grid PV system is designed for Tour, family, none or short of electricity area. The whole system contains PV panel, controller, inverter and PV storage battery.
- **Module Power:** 120Wp
- **Feature:** Environmental protection, operating well in 3 continuous rainy days.
- **Application:** Tour, family, none or short of electricity area, Satellite Ground Stations, weather stations, forest fire stations, etc.

System Instruction

Name of Load	Quantity (Unit)	Unit power(Watt)	Working duration (hr)
Lamp	2	11	6.5
Lamp	2	24	6.5

System components



PV panel

Series	FEP120	Brand	Fire Energy
Module dimension	1643*666*40	Quantity in total	1
Cell type	Poly 156*156	Pmax per unit	120



Controller

Series	EPRC-2L	Brand	EP solar
System voltage	12V	Quantity in total	1
Rated solar input	10A	Temperature	-35°C to +55°C



Battery

Series	FE12-100DG	Brand	Fire Energy
Capacity (AH)	100AH	Quantity in total	1
Operating voltage	12V	Temperature	-40°C ~ +60°C



Inverter

Series	PI-3-12	Brand	JINHENG
Input voltage (DC)	12V	Output voltage(V)	220VAC,
Capacity (VA)	300VA	Output wave	Pure sine wave



Power Box

Color	Black/white	Material	stainless
Dimension(mm)	1300*800*700	Weight(Kg)	15 kg

Power box is designed according to varies customer's requirement.

Note: Design various systems according to customer's requirement.