

solarF ID: FOSFE018

— By Fire Energy Group

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Fire Energy Off-Grid PV System-750Wp

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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:** 750Wp
- **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
26 inch LCD TV	1	150	10
Fan	1	55	24

System components



PV panel

Series	FEP200	Brand	Fire Energy
Module dimension	1680*808*35	Quantity in total	5
Cell type	Mono156*156	Pmax per unit	150



Controller

Series	EPIP602	Brand	EP solar
System voltage	48/24/12V	Quantity in total	1
Rated solar input	40A	Temperature	-35°C to +55°C



Battery

Series	FE12-150DG	Brand	Fire Energy
Capacity (AH)	150AH	Quantity in total	2
Operating voltage	12V	Temperature	-40°C ~ +60°C



Inverter

Series	PI-6-24	Brand	JINHENG
Input voltage (DC)	24V	Output	220VAC,
Capacity (VA)	600VA	Output wave	Pure sine wave



Power Box

Color	Black/white	Material	stainless
Dimension(mm)	1300*800*900	Weight(Kg)	22kg
Power box is designed according to varies customer's requirement.			

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