

solarF ID: FOSFE017

— By Fire Energy Group

Table of content

A. System general information:.....	2
B. Four appendixes are attached below:.....	4
B-1: Appendix one: Datasheet of Module.....	4
B-2: Appendix two: Datasheet of Controller	5
B-3: Appendix three: Datasheet of Battery1 & 2	6
B-4: Appendix four: Datasheet of Inverter.....	8

Fire Energy Off-Grid PV System-400Wp

solarF ID: FOSFE017

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:** 400Wp
- **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

System components



PV panel

Series	FEP400	Brand	Fire Energy
Module dimension	1638*982*40	Quantity in total	2
Cell type	Poly	Pmax per unit	200



Controller

Series	EPIP20	Brand	EP solar
System voltage	24/12V	Quantity in total	1
Rated solar input	20A	Temperature	-35°C to +55°C



Battery

Series	FE12-120DG	Brand	Fire Energy
Capacity (AH)	120AH	Quantity in total	2
Operating voltage	12V	Temperature	-40°C ~ +60°C



Inverter

Series	PI-3-24	Brand	JINHENG
Input voltage (DC)	24V	Output	220VAC,
Capacity (VA)	300VA	Output wave	Pure sine wave



Power Box

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

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