

**solarF ID: FOSFE020**

— 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-3000Wp

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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:** 3000Wp
- **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	20	10
Computer	1	100	10
Fan	2	70	10
Fridge	1	0.54 kwh/24h	24
26 inch LCD TV	1	150	10

## System components



PV panel  
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Series	FEP200	Brand	Fire Energy
Module dimension	1638*982*40	Quantity in total	15
Cell type	Poly	Pmax per unit	200



Controller  
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Series	EPIP602	Brand	EP solar
System voltage	48/24/12V	Quantity in total	1
Rated solar input	60A	Temperature	-35°C to +55°C



Battery  
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Series	EP12-200DG	Brand	Fire Energy
Capacity (AH)	200AH	Quantity in total	4
Operating voltage	12V	Temperature	-40°C ~ +60°C



Inverter  
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Series	PI-20-48	Brand	JINHENG
Input voltage (DC)	48V	Output	220VAC,
Capacity (VA)	2000VA	Output wave	Pure sine wave



Power Box  
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Color	Black/white	Material	stainless
Dimension(mm)	1600*1000*900	Weight(Kg)	30kg
Power box is designed according to varies customer's requirement.			

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