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Home Solar System (Full Function) Price : 8,50,000/- 25 Years Life.
Government give subsidy on it up to 35 %

Please refer the below of the details of solar home system FS- GV S614:



Total Saving:

- Light bill for 25 years : 3500/month X 12 month a year X 25 year= 10, 50, 000/-
- Solar system cost 8, 50, 000 INR - 2, 91, 383 INR (Subsidy 35%)= 5, 58, 617 INR (Total Saving for the 25 Year **4, 91, 383/- INR**)
- Per Month Electricity cost : 5, 58, 617 / 25 /12 = 1, 862 INR instead of 3, 500 INR.

I . APPLICATION

Provide power for 3000W household appliances, such as computer, TV, fans, freezer, air conditioner, washer, Whishing Machine induction cooker etc. all to gather.

II . PRODUCT PARAMETER

1. Inverter;3000W pure sine wave inverter (output power 3000W)
2. Controller: 48V50A, charging way: MPPT
3. Battery input : 48V
4. Solar power input;72V (effective DC charging voltage for 60-90V)
5. Connecting max. power of solar panel:18V3600W
6. Connecting max. battery capacity:12V750AH
7. Solar panel voltage:72V
8. Output voltage : 110V/120V/220V/240V(choose one output voltage), output frequency : 50/60Hz
9. Connector: battery positive and negative input*solar power input*AC output
10. Cooling fan: temperature-feeling cooling fan starting temperature for 45°C
11. Liquid crystal display frequency:: according to the output state of AC voltage, separately show : output voltage output current output power accumulative total power consumption take turn to switch
12. LED indicator ;
Green indicator is for charging
Red indicator : slide the battery switch up, red indicator flash for 2 time, approximate 3 seconds later, the indicator lights, power source outputs.. Under voltage or super voltage,the indicator don't light. The system can't start. In the output process, if the voltage is below 43V, the output stops, red indicator flashes ceaselessly, when battery voltage rises up 48V, stop flashing, output recovers., When entering into heat-protection state, indicator happens one time instantaneous flash per second, the output stops, when temperature recovers to 65 degree, stop instantaneous flash and start electricity supply.
Yellow indicator is for AC output state, when AC short circuit , yellow indicator go out; when over-temperature, yellow indicator lights, red light flashes.
13. Switch : power source output switch * battery switch
14. Temperature protection: 85 degree(power off)
15. Way to avoid thunder:solar input connector 180V surge discharge tube

III. PRODUCT DIAGRAM



- 1) Power source output switch
- 2) Battery switch
- 3) Battery input +
- 4) Power source output socket
- 5) Solar input connector
- 6) Battery input –
- 7) Power source output indicator
- 8) Battery working indicator
- 9) Solar power input indicator

IV. PRODUCT MATCHED PARAMETER ACCORDING TO MAX CONNECTABLE SOLAR PANEL AND BATTERY

- 1) The solar panel generating electric quantity one day : 16.6KWH(according to 6 hours standard sunlight per day
- 2) Battery charging time : 9-10 hours
- 3) Max supporting appliance power:3000W
- 4) Battery backup : 9-10 hours (with full load)

**The battery will be 3000AH/12V,
Three 15 Acid lead Batteries (Jell Battery cost higher up to 1.5 L per set.)**

Solar panels will be 14400/18V

Match Solar Panel Array

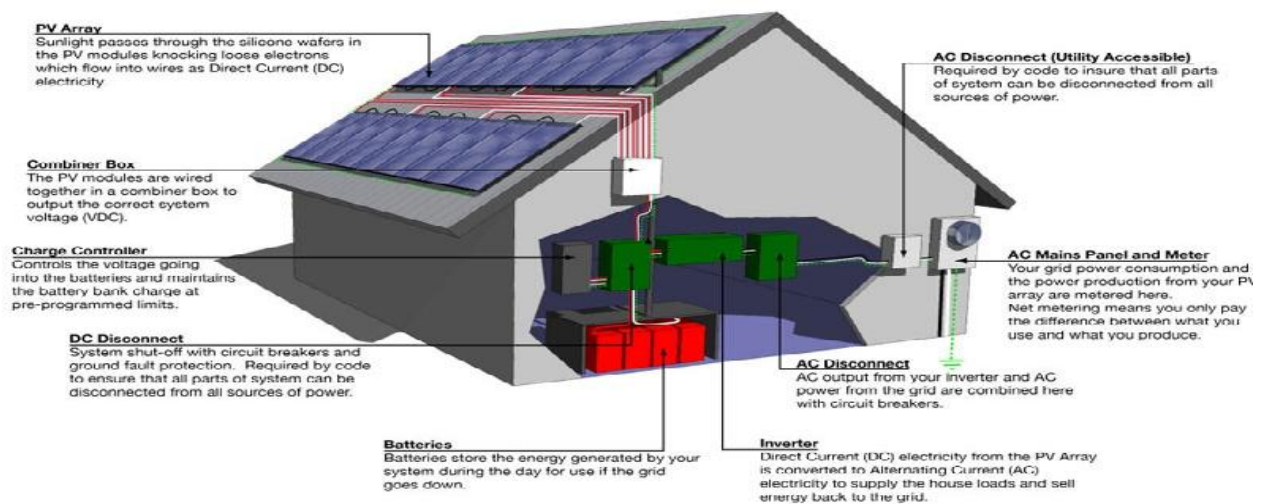
Amount Power: 14400W

System Voltage: 220V

Power of each panel: 240W

Quantity: 60 pcs

Voltage of each panel: 20V



3900 No controller inverter battery solar panel 6112 No