

PV Combiner Box Introduction

In the solar power generation system, in order to reduce the connection between the solar photovoltaic battery array and the inverter, user can connect a certain number of photovoltaic cells with the same specifications in series to form a photovoltaic series, then connect several photo-voltaic series in parallel to the PV DC combiner box. After converging in the PV DC combiner box, it is output through the DC circuit breaker and used with the photovoltaic inverter to form a complete photovoltaic power generation system.



Ip65 Protection



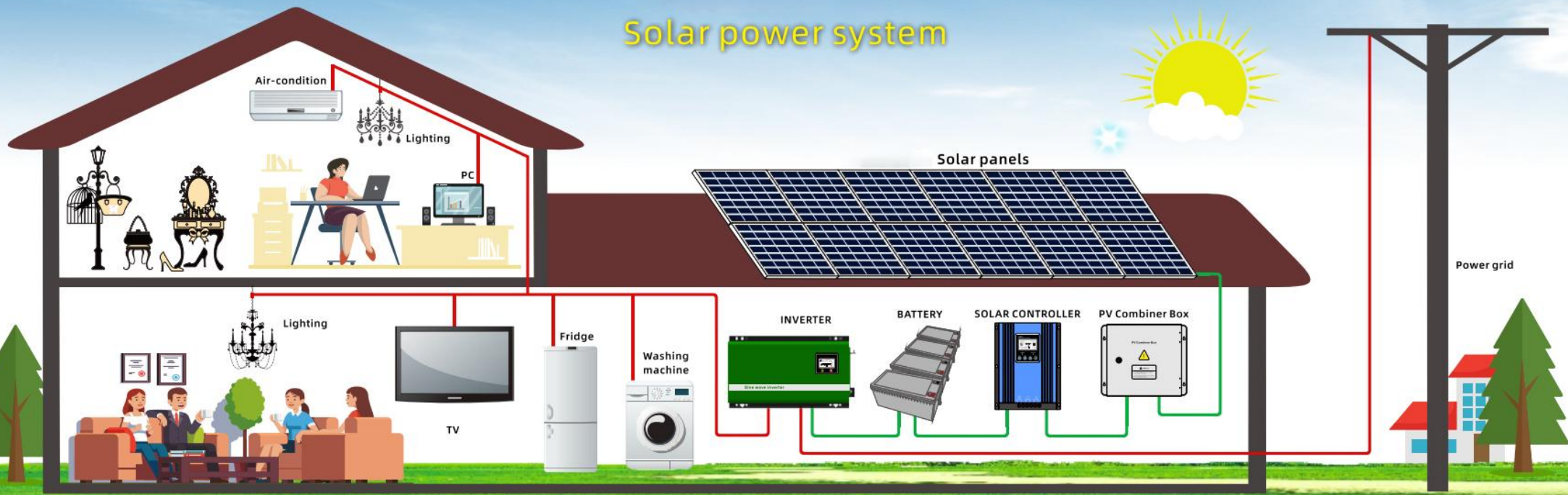
Class Lightning Protection



device Fuse Protection



Output Circuit Breaker



Feature

Multiple input: Multiple PV array input, each PV input array is added with high-voltage DC fuse protection, and each PV input array can reach a maximum of 15A;

Single or two outputs: Single output, equipped with high-voltage lightning protection device, high-voltage photovoltaic special DC circuit breaker, two independent photovoltaic array outputs can be customized to flexibly adapt to different connection schemes;

IP65 protection level: The case is thick and waterproof, and the protection level can reach IP65. The surface is sprayed with outdoor standard, which is durable and can be installed outdoors.

Specification

| | | |
|------------------|----------------------------------|-------------------------------|
| Input | Max. PV Input Strings | 6 |
| | Max. Input Current per PV String | 15A |
| | PV String Fuse Rating | 20A |
| | PV String Cable Size | PG 7, 4 mm ² |
| Output | Output Circuits | 1 / 2 (Customizable) |
| | Max. Output Current | 90A / 2 × 45A |
| | Output Cable Size | PG 11, 16 mm ² |
| | Max. Output Voltage | DC 500V / DC 1000V (Optional) |
| | DC Output Circuit Breaker | Yes |
| | Lightning Protector | Yes |
| Others | Protection Level | IP65 |
| | Temperature Range | -30°C to +60°C |
| | Net Weight | 7.8 kg |
| | Gross Weight | 8.8 kg |
| | Product Size | 406 × 340 × 145 mm |
| | Packing Size | 460 × 440 × 240 mm |
| | Cooling Method | Natural Cooling |
| Ground Wire Size | ≥ 4 mm ² | |