ZONERGY

8kw Solar Off Grid Solar Home System

Configuration List

NO.	Picture	Product	Specification Model	Quantity	Unit	Single Price	Total Cost	Remark
1		Photovoltaic Module	Mono module, 445W40V	16	Piece	156.8	2508.8	
2		Off-grid control inverter integrated machine	Power frequency inverter power: 8kW DC 48V, AC output: 220V50Hz Built-in MPPT controller 48V 200A With mains bypass function	1	Piece	2200	2200	Lithium battery needs to match MPPT controller
3		Energy storage battery	Lithium iron phosphate battery, 48V 1600Ah	1	Piece	16800	16800	
4		Component bracket	Galvanized steel bracket (ground, flat roof), including all columns, guide rails, connectors, clamps, fixing screws and nuts accessories, etc.	1	Set	648	648	
5		Photovoltaic DC combiner box	DC combiner box, containing fuses, circuit breakers, surge protection, etc.	1	Piece	360	360	
6		Cables and other accessories	PV dedicated photovoltaic DC cables, inverter connection cables, battery connection cables, wiring terminals, lightning protection grounding accessories	1	Set	486	486	
Total Price							23002.8	

The project cost does not include the construction, tax and does not include transportation, and the freight should be calculated according to the actual situation.

Description: (operating mode)
1. New energy off-grid system, including solar power generation, battery energy storage system, the system can operate independently.
2. The system is expected to be equipped with a solar 7.1KW inverter 8KW, which can drive a 0-8KW electric load.
3. The system uses new energy photovoltaic power supply, and can also be compatible with other energy sources as a bypass connection, such as diesel engine power generation (backup power supply), normal solar power generation guarantees the normal operation of the system, when the power is insufficient, it can automatically switch to the backup power supply and switch the power supply Time does not affect the normal use of conventional electrical equipment. Solar power is stored in the battery pack first, and the system operation mode is photovoltaic priority.

Note: The daily power generation of solar energy is calculated based on the local average sunshine. Solar power generation should avoid shadows.