

How to consists of the solar power system ?

1. Solar power generation system consists Four Main components:

(1).Solar Inverter----solar inverter's Power depend on the electronic Tottal power loading , Because inver itself consumes power.Customary ,Function of the inverter is equal to the total load power times 1.5. For Example , Total power loading 500Watts , So Inverter power is  $500\text{Watts} \times 1.5 = 750\text{W}$  .

(2).Gel-Battery ---- Battery 's Power depend electronic Power loading Time . If you want to continues items working time , you have to fit more correct batteries .

(3).Solar controller----controller's capacity depend on GEL-Battery's Rated voltage .

(4). Solar Panel ----solar panel's capacity need to depend on Location's Sunlight intensity . Example : Africa sunlight intensity 8hours per day , 8000WH power loading per day ,

Formula :  $8000\text{WH} / 8\text{h} \times 1.5 = 1500\text{W}$  , So this solar system's solar panel need 1500Watts .

2. Configuration 's Conditions :

(1). System's electrical power load per day .

(2). Electrical using time per day .

(3) Effective sun light intensity of location per day