

OFF-GRID

OFF GRID SOLAR SYSTEM

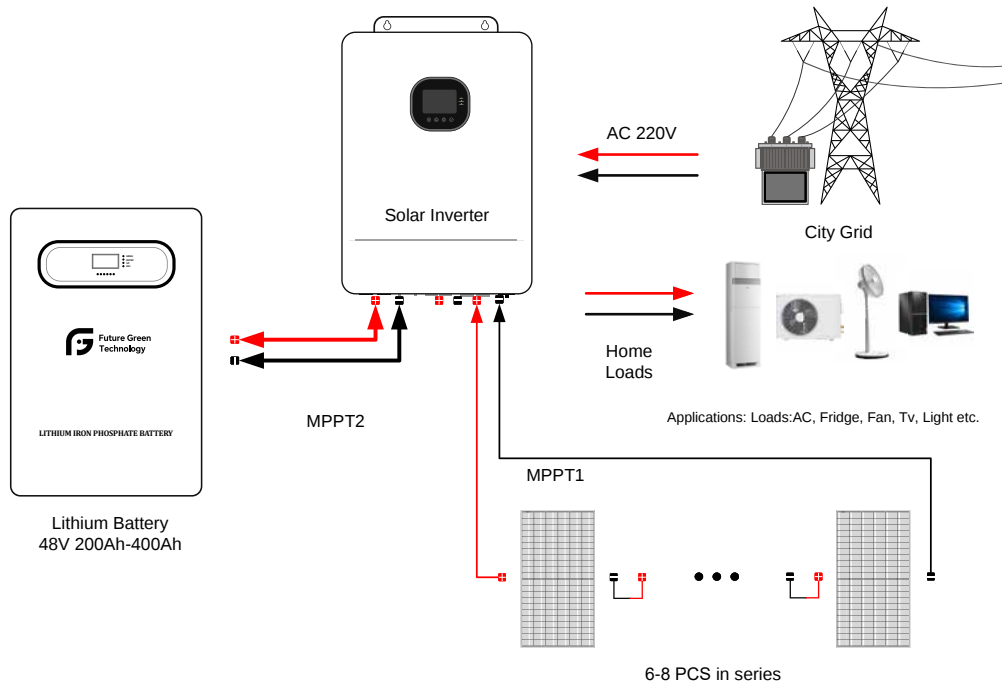
FG-6KW-OFF

EU Voltage

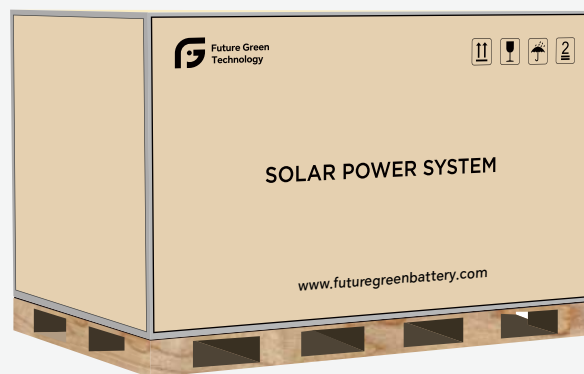


FG-6KW-OFF

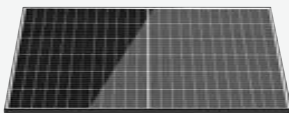
(Residential Off Grid Solar System)



SOLAR SYSTEM KIT



Solar Panel



Lithium Battery



Solar Inverter



Wifi Monitor



PV Cable



MC4 Connector



Mounting Bracket



DC Switch/AC Switch(Optional)

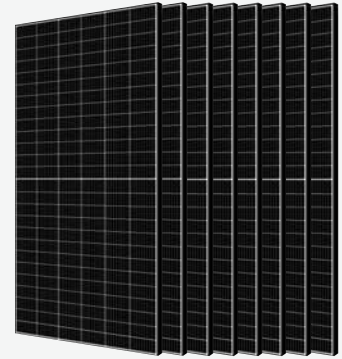


PV Module

- Adopting the 182*210mm N-Type TOPCon cells with the highest efficiency
- Mechanical load tests including wind load 2400Pa and snow load 5400Pa done by TUV
- Ensure the attenuation probability caused by PID phenomenon is minimized
- Strict salt spray and ammonia corrosion test by TUV

Parameter

Testing Condition	STC
Maximum Power(Pmax/W)	620W
Open Circuit Voltage(Voc/V)	49.55
Short Circuit Current(Isc/A)	15.93
Voltage at Maximum Power(Vmp/V)	41.06
Current at Maximum Power(Imp/A)	15.10
Module Efficiency(%)	22.95



620w

TOPCon Bifacial Dual Glass
Solar Panel

Lithium Battery



48v 200Ah

Integrated Casters
LiFePO₄ Battery

- High Specific Energy
- Support Parallel Operation
- Easy Installation
- Long Cycle Life

Parameter

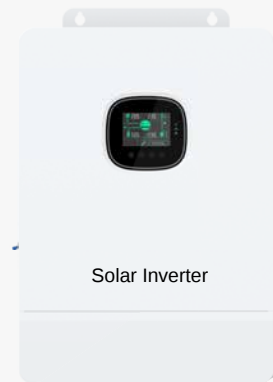
Nominal Capacity	200Ah
Nominal Voltage	48V
Max.Charging Current	100A
Max.Discharging Current	100A

Inverter

- Colorful touch LCD, IP65 protection degree
- AC couple to retrofit existing solar system
- 6 times periods for battery charging/discharging
- Support storing energy from diesel generator

Parameter

AC Output Data	
Rated Output Power	12000W
Rated Output Voltage/Frequency	230Vac, 50Hz/60Hz
Battery Input Data	
Battery Type	Lead-acid or Lithium-Iron
Battery Voltage Range(V)	40-60
PV String Input Data	
No. of MPP Trackers	1
MPPT Voltage Range(V)	90-500



GD6048MH

Inverter



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