

# MODEL : GSB-20-10

## HYBIRD GENERATOR SET



### Design Standards

GSB® is a new range of secure integrated hybrid power station. With diesel genset, solar power, battery storage and hybrid solar Inverter in one secure unit.

GSB® is mainly developed for residents Power, Reduce the dependence on Main Power and decrease the consumption cost.

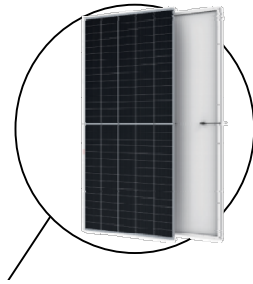
### Benefits

- Integrated installation, convenient storage and transportation;
- High return on investment and quick return;
- Simple operation and easy maintenance;
- Power and Capacity can be expanded, meet different user needs;
- Accept customer customization, suitable for various scenarios;



### General Specification

Model	GSB-20-10
Rated Output Power	10 kW (Generator) & 10 kW (Battery)
Rated Output Voltage	220V@50Hz, 1ph.
Fuel Tank Capacity	100 liters
Battery Storage Capacity	10 kWh
Max.Battery Storage Capacity	25 kWh
Expand Dimension(W*H*D)	2450*5420*3650mm
Loading Dimension(W*H*D)	2450*1150*2550mm
Weight	1780kg
Loading Capacity of 40'HC	8 units
Operating Temperature Range	-15~50°C



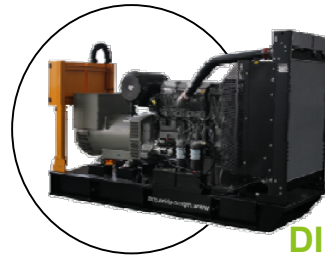
**SOLAR PANEL**

MAX.POWER:

**2500<sub>W</sub>**

With **HIGH EFFICIENCY**

UP TO **22%~!!**



**DIESEL GENERATOR**

RATED POWER: 10kW

With **LOW CONSUMPTION**

DOWN TO **3 L/H~!!**



**INTELLIGENT INVERTER**

ONE PIECE FOR  
**SOLAR & BATTERY**  
& **DIESEL**  
**GENERATOR**

Fits the practical application & guaranteed by high-quality manufacturing technology





### Diesel Generator Set

Prime Power	10 kW
Fuel Consumption	3 L/h@100% load
Time for Charger	1 hours
Full Tank Output Power	313 kWh (Max.)
Fuel Type	Diesel/Gasoline/Gas
Base Functions	Automatic Start-up / Alarm / Automatic Stop / Emergency Stop / Load Management

### Solar Panel

Maximum Power	500W
Power Tolerance	0~+5W
Max-Power Voltage (Vm)	38.5VDC
Max-Power Current (Im)	8.45A
Qty.	5pcs

### Energy storage battery

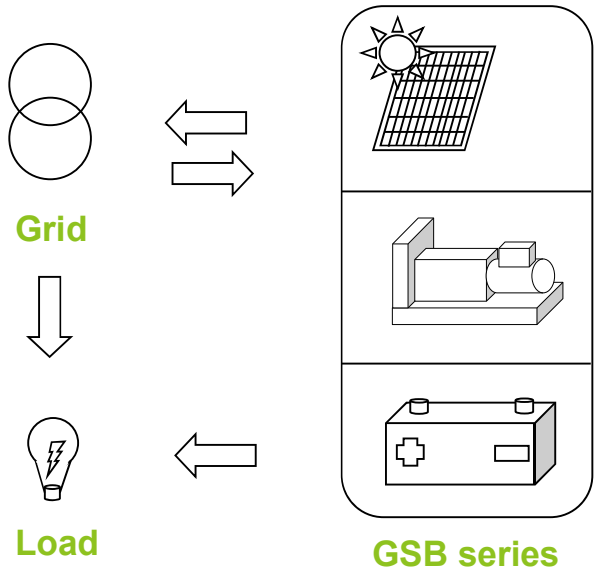
Type	LFP(LiFePO4)
Rated Capacity	5 kWh
Rated Voltage	51.2 VDC
Discharge Depth	90%
Charger/Discharger Current	97.7 A(1.0C)
System Capacity	10 kWh
System MAX. Capacity	25 kWh

### Cooling System

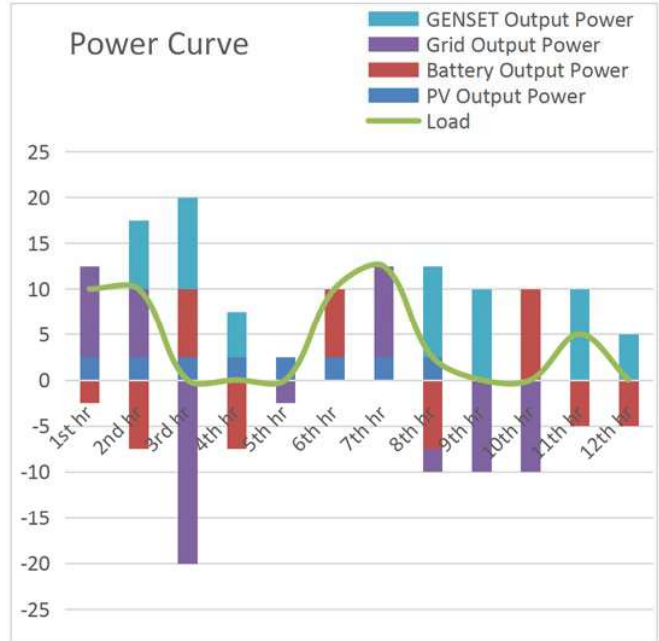
Exhaust Air Volume	492CFM
Rated Power	48W
Rated Voltage	48VDC
Max. Noise Level	68dB(A)
Qty	2pcs

### Integrated Solar Power Inverter System

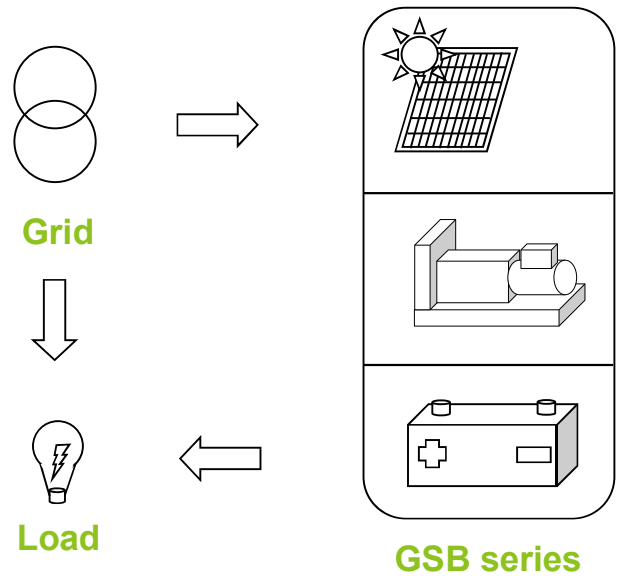
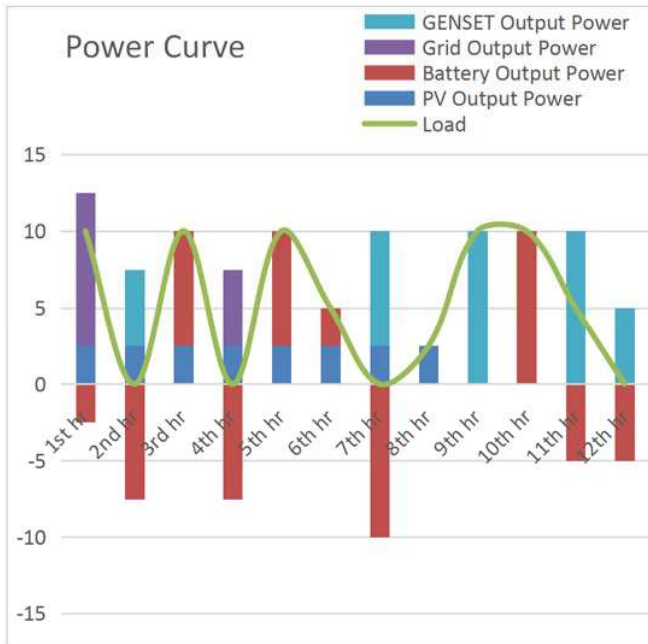
Max. Solar Charger Current	144 A
AC Input Voltage Range	170~280Vac
Max. AC Charger Current	88 A
Max.Conversion Efficiency	91%
Rated Output Power	10kW



### On-Grid Module



### Off-Grid Module



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