



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.

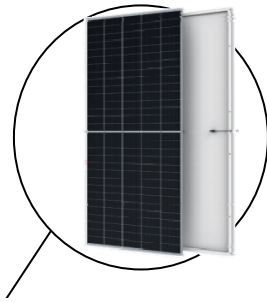
Benefits

- 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



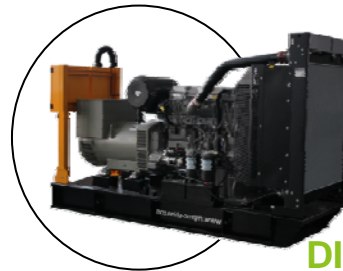
SOLAR PANEL

MAX.POWER:

2500_W

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

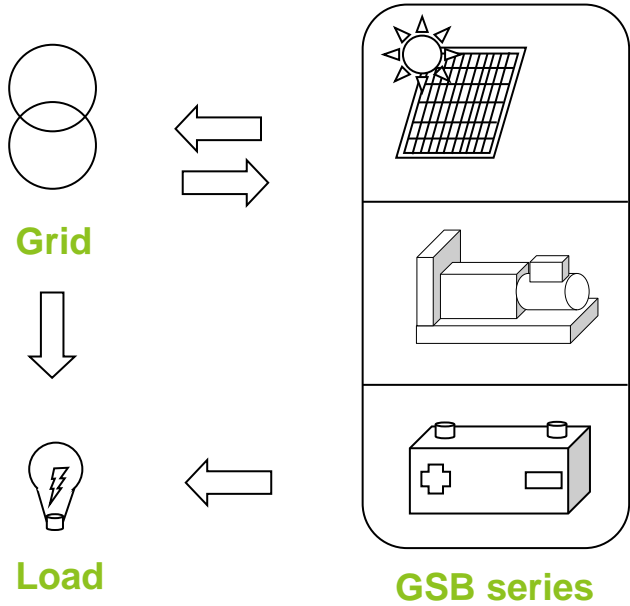
Type	LFP(LiFePO4)
Rated Capacity	5 kWh
Rated Voltage	51.2 VDC
Discharge Depth	90%
Charger/Discharger Current	97.7 A(1.0C)
System Capacity	10 kWh
System MAX. Capacity	25 kWh

Cooling System

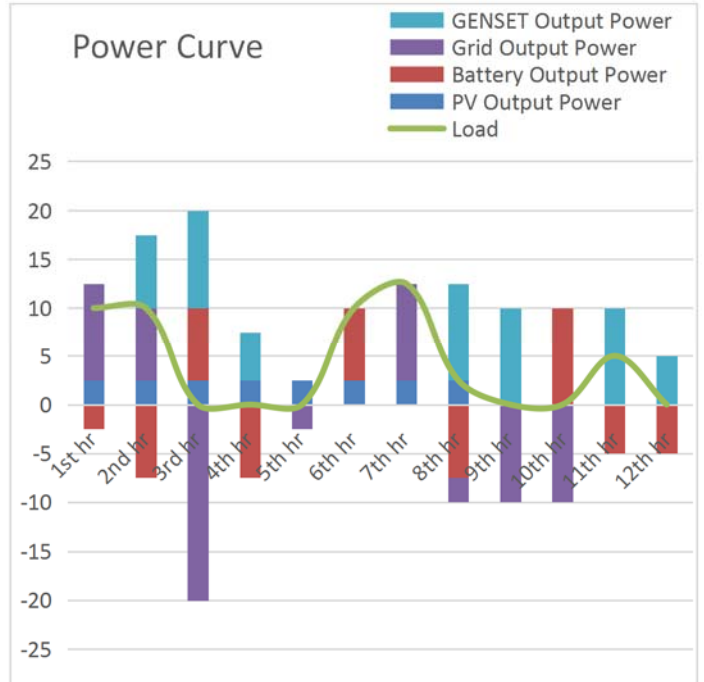
Exhaust Air Volume	492CFM
Rated Power	48W
Rated Voltage	48VDC
Max. Noise Level	68dB(A)
Qty	2pcs

Integrated Solar Power Inverter System

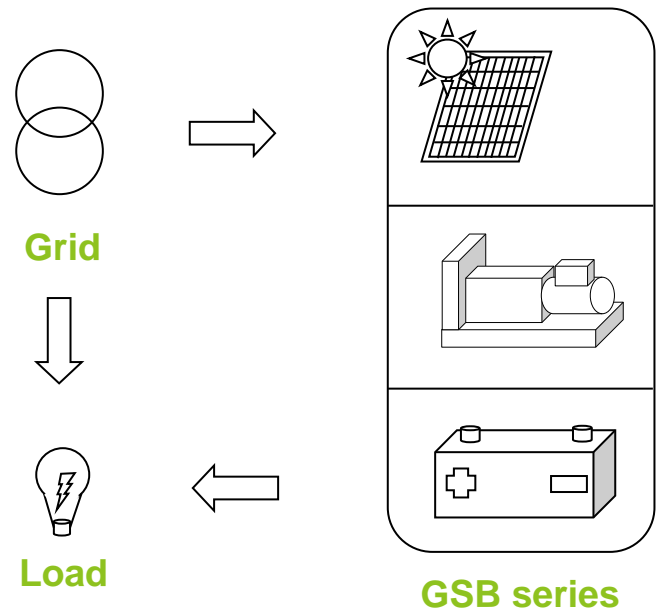
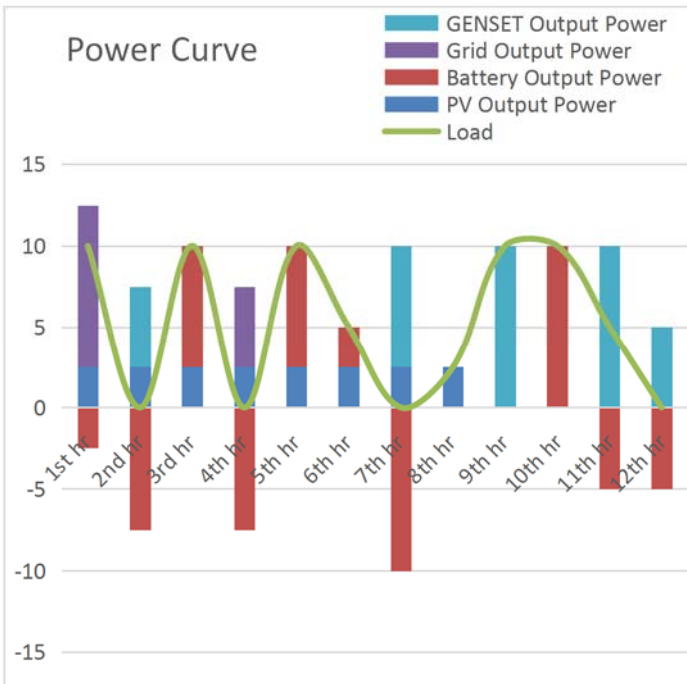
Max. Solar Charger Current	144 A
AC Input Voltage Range	170~280Vac
Max. AC Charger Current	88 A
Max.Conversion Efficiency	91%
Rated Output Power	10kW



On-Grid Module



Off-Grid Module



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