EG-HX800 HYBRID INVERTER PRESENTATION

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CONTENT

EGBATT RESIDENTIAL ENERGY SOLUTION

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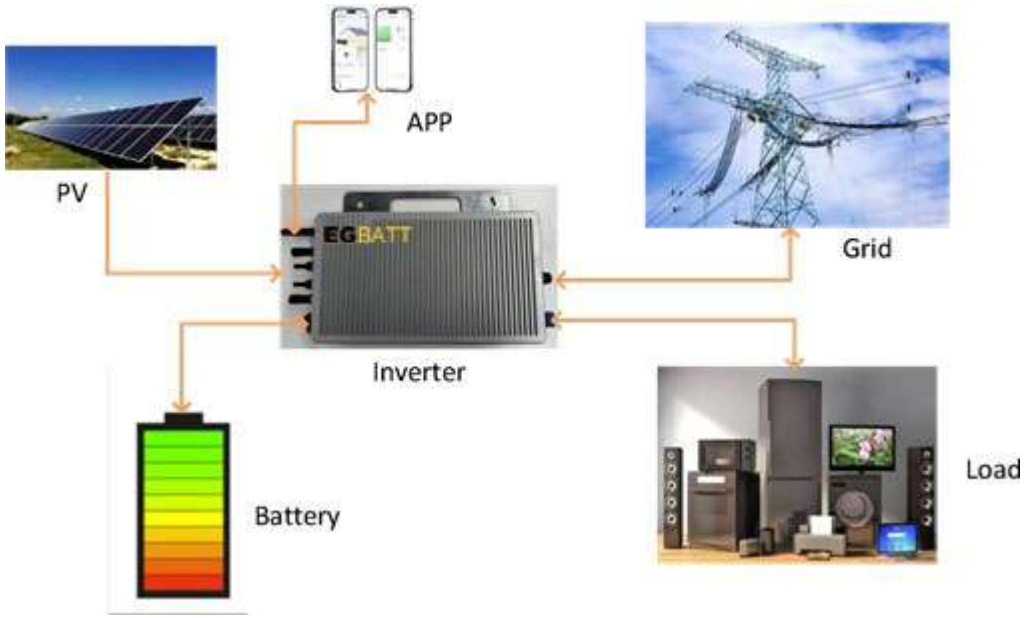

- Combining PV，battery，AC coupling，on/off-gird，EGBATT offers an all-in-one residential energy solution that helps you lower utility bill and reliance on the gird.
- You can set up different mode as you need and check the inverter work status by APP easily

HYBRID INVERTER-Key Parameters

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INPUT (PV DC)	**EG-HX800**
Maximum Utilized Solar Power	1000W
PV Input Voltage Range	20~60V
MPPT Operating Voltage Range	22~55V
Start-up Voltage	25V
No. of MPP Trackers	2
Max. Input Current per MPPT	20A/20A
Max. Short Circuit Current per MPPT	28A/28A
Battery	
Battery Type	Lithium-ion
Rated Battery Voltage	48V
Battery Voltage Range	40~60V
AC Max. Charging Power	800W
PV Max. Charging Power	1000W
Max. Disharging Power	800

HYBRID INVERTER-Key Parameters

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Grid	
Rated AC Voltage	230V
Rated AC Frequency	50Hz/60Hz
Rated AC Output Current	3.48A
Rated AC Output Power	800W
Max. AC Intput Current	3.48A
Max. AC Intput Power	800W
PF	0.99(Adjustable from 0.9 leading to0.9 lagging)
THDi	< 3%
EPS	
Rated Output Voltage	230V
Rated Output Frequency	50Hz/60Hz
Rated Output Current	3.48A
Peak Power	1600W(20s)
THDv	< 3%

HYBRID INVERTER-Key Parameters

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Protection	
Over Current/Voltage Protection	YES
Anti-islanding Protection	YES
AC Short-circuit Protection	YES
Ground fault monitoring	YES
AC/DC Surge Protection Type II	YES
IP class	IP67
General	
Dimensions(W*H*D)	458mm*263mm*42mm
Weight	6.5kg
Relative Humidity	0~100%
Operating Temperature Range	-25~60℃, >45℃ derating
Storage Temperature Range	-25~60℃
Communication Interface	CAN/Wi-Fi/Blue tooth
Cooling Method	Natural convection
Altitude	<2000m
Certification	**VDE4105 IEC/EN 62109-1 IEC/EN 62109-1**

HYBRID INVERTER-Appearance

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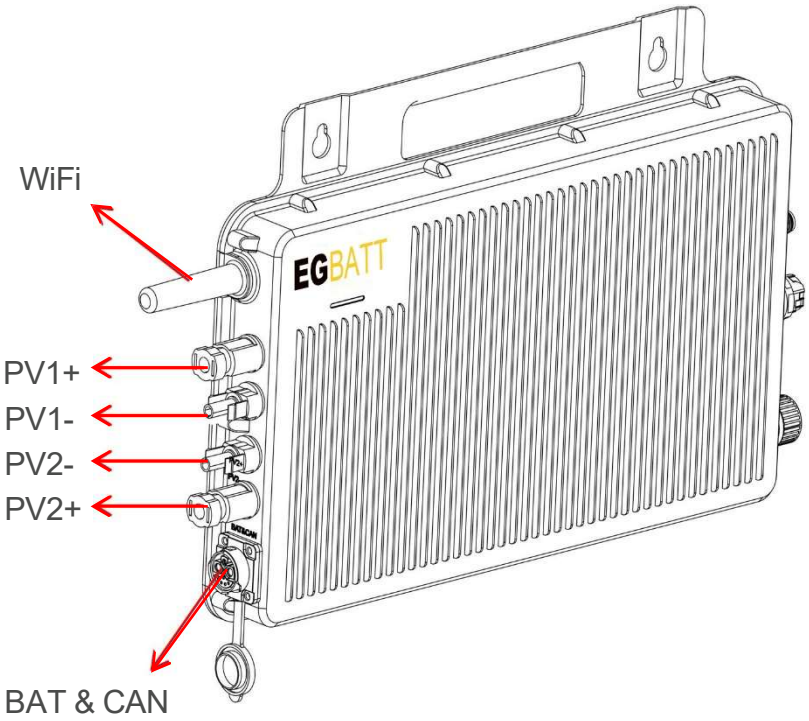

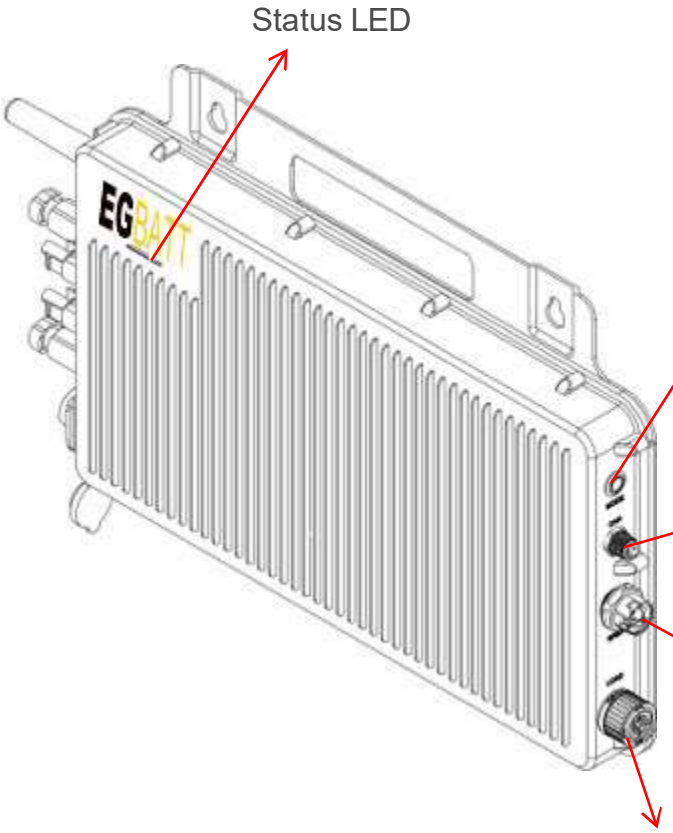

HYBRID INVERTER-Appearance

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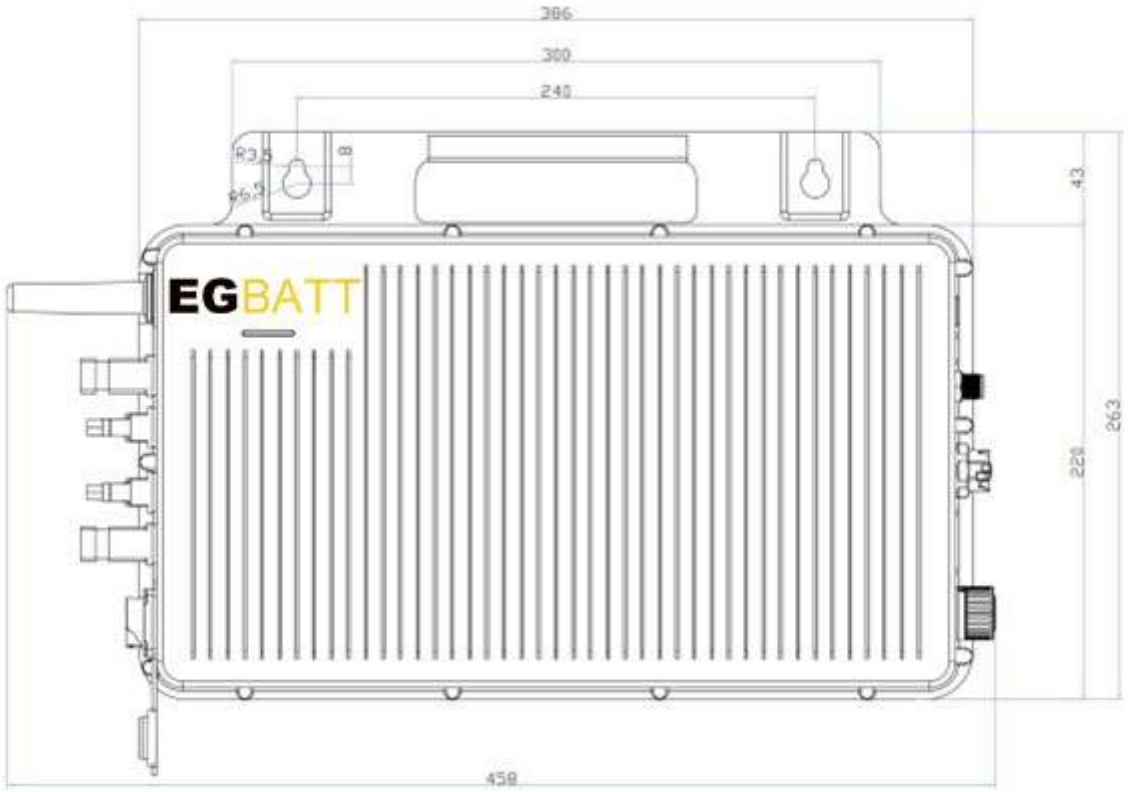

HYBRID INVERTER-Key Feature

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Output mode change Key, it is with led and can indicate present mode

CAN for OFF-Grid output paralell

AC On_Grid connector

AC OFF_Grid connector

Battery connector, include power line and CAN

2 channals PV Input

WIFI&Bluetooth

Flexible output Configuration

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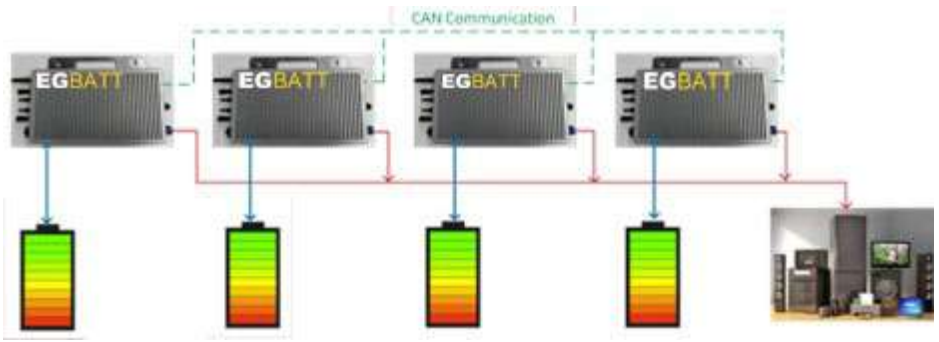

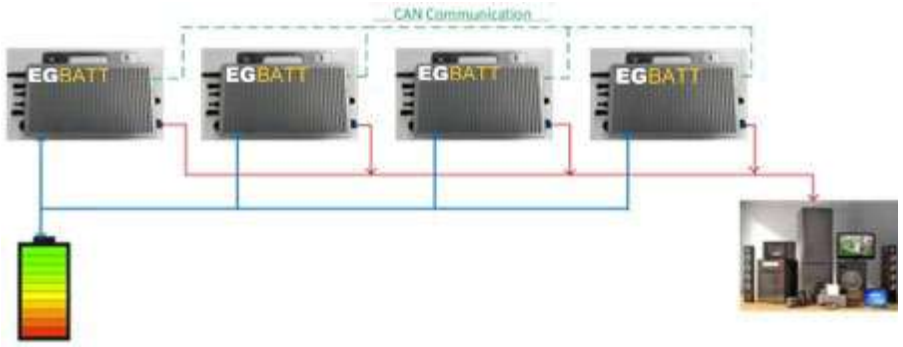

- The Inverter output support 4 PCS prallel
- Before parallel operation, the inverter need connect with CAN communicaiton

Intelligent Management-Remote WIFI And Local Monitoring

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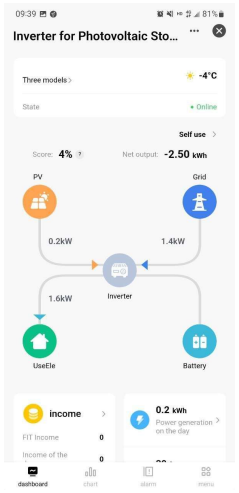

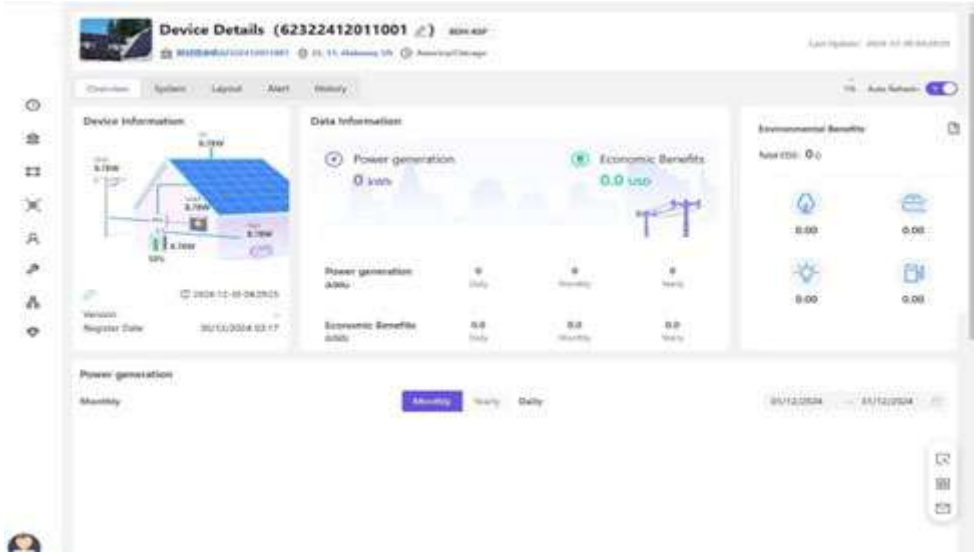

Local/Remote	Software	Connection	APP/Web	Function	Application
Remote	EG-Viewer	WIFI	APP/Web	Monitoring	For End user
	EG-Viewer Business	WIFI	APP/Web	Monitoring , Configuration , Upgrade , Trouble shooting	For Installers, Operators
Local	EG-Viewer	Bluetooth	APP	Monitoring , Configuration , Upgrade , Trouble shooting	For End user, Installers, Operators

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Inverter output Mode:

- you can set output mode by mode-key, if the key led turn on, it work at off-grid mode, or it work at on-grid mode
- you can also set output mode on APP

On Grid Modes:

1. **Self Used Mode**

   Application: Areas where with high electricity prices and low subsidies

   Energy priority : Load > Battery > Grid

2. **Back-up mode**

   Application: For areas where power grid is unstable

   Energy priority : Load > Battery > Grid

   (if battery SOC≤ cutoff SOC, the load is powered by the grid)

3. **Force Time Use Mode**

   Application: For areas with high subsidies

   Energy priority : Load > Grid > Battery

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Thank You

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