

**MODEL : HBD-30**

**BATTERY ENERGY STORAGE SYSTEM for HYBRID**



**Design Standards**

HBD® -E is a new range of secure integrated Battery Energy storage system. It redefines convenient energy storage with its fully integrated, all-in-one design. This secure system combines LFP batteries, a hybrid inverter, and intelligent controls in a modular solution. It connects directly to PV arrays, the grid, or generators, enabling emission-free operation and reduced grid reliance. Developed to ensure power quality and provide emergency backup, the E-Series is an ideal, scalable solution for reliable and independent energy management.

**Benefits**

- ◆ **All-in-One Energy:** Enabling direct connection to Grid, PV arrays and diesel generators for versatile power input.
- ◆ **Plug-and-Play:** Pre-integrated components for simple, fast installation. Significantly reduces installation time and labor costs.
- ◆ **Smart Remote Control:** Monitor and manage via APP, 4G, or WiFi.
- ◆ **Scalable & Flexible:** Modular design supports parallel expansion.

**Warranty**

3 years after export from the factory or the Energy Throughput achieve 4590kWh per kWh which comes first



**General Information**

Rated Output Power@25 °C		30 kVA
Rated Power Factor		0.8 lagging
Rated Output Voltage		380V@50/60Hz,3ph. (400V & 415V available)
Battery Storage Capacity	Min.	96.48kWh
	Max.	112.54 kWh
External Connection	Input	Diesel generator /Grid input≤125A , 150A available by inverter Solar array MC4≤60kWp
	Output	63A 3P+N+PE Socket
Protection Class		IP54
Loading Dimension(W*D*H)		1100*1165*2225mm
Net.Weight		1500 kg
Loading Capacity	20'GP	10 units
	40'HC	16 units/40'GP
Discharge Temperature Range		-20~50°C(> 45°C derating)
Max Altitude		3000m(> 2000m derating)

**INVERTER COVER  
AVAILABLE FOR  
ANTI-CORROSION**

**SUITABLE WITH  
HEAVY DUTY**

**INTELLIGENT PCS  
with EMS**

**EASY OPERATION ON  
MOBILE PHONE & COMPUTER**

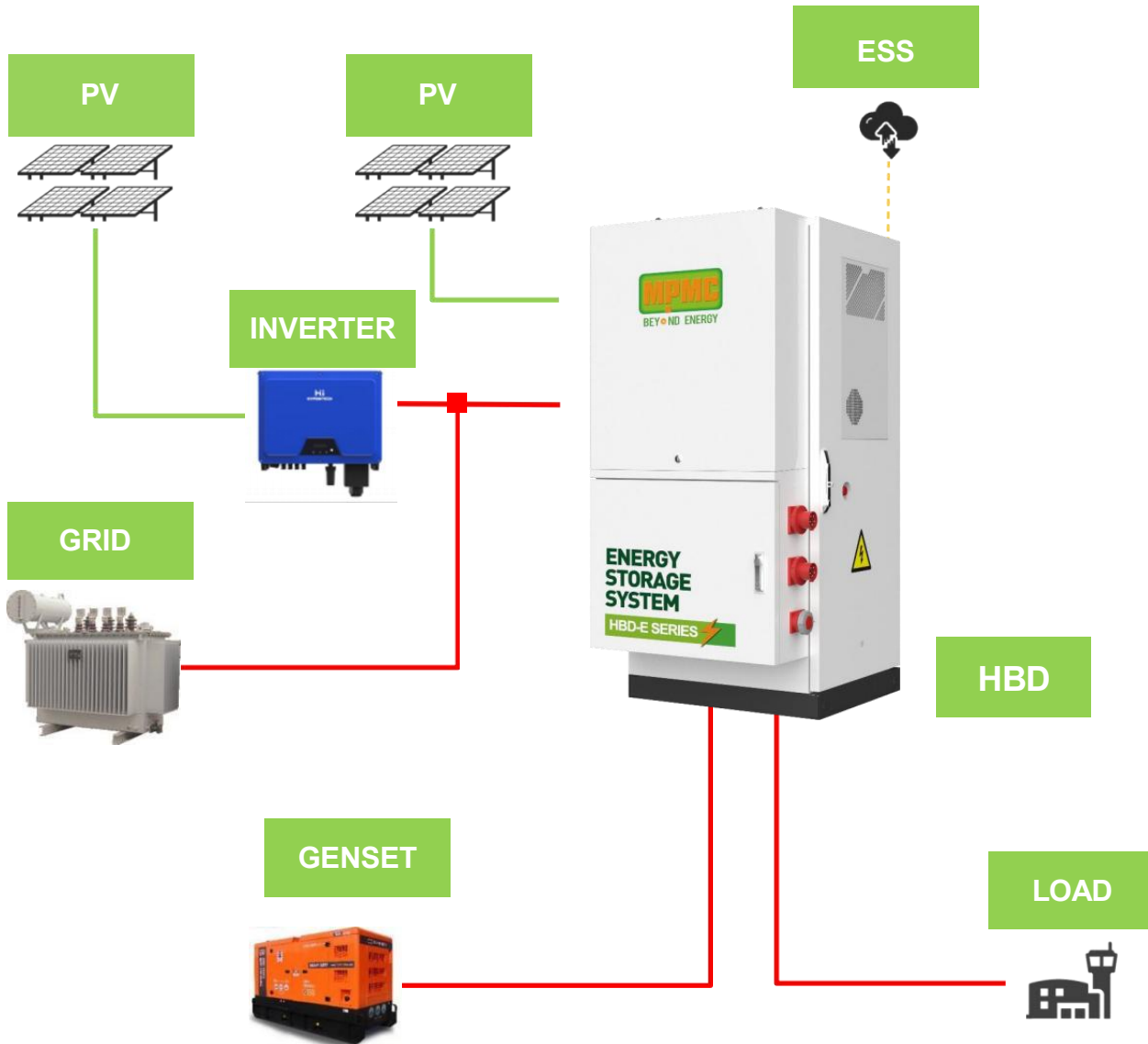


**INPUT & OUTLET SOCKETS  
QUICK INSTALL AND EASY CONNECTED**

**Specially designed for complex applications, flexible to meet the special needs of customers. A fixed and reliable source of electricity.**

**LiFePO<sub>4</sub> BATTERY**  
Long Life Design Up to  
**6000** cycles  
High Quality Based on  
**Specification Consistency of CELLS~!**

## Typical Application



MPMC USA



MPMC CN

### MPMC POWERTECH CORP.

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