



Moon&Sun Partners a.s., [www.moonpartners.cz](http://www.moonpartners.cz), [info@moonpartners.cz](mailto:info@moonpartners.cz),

## Technical list All in One Batteries:

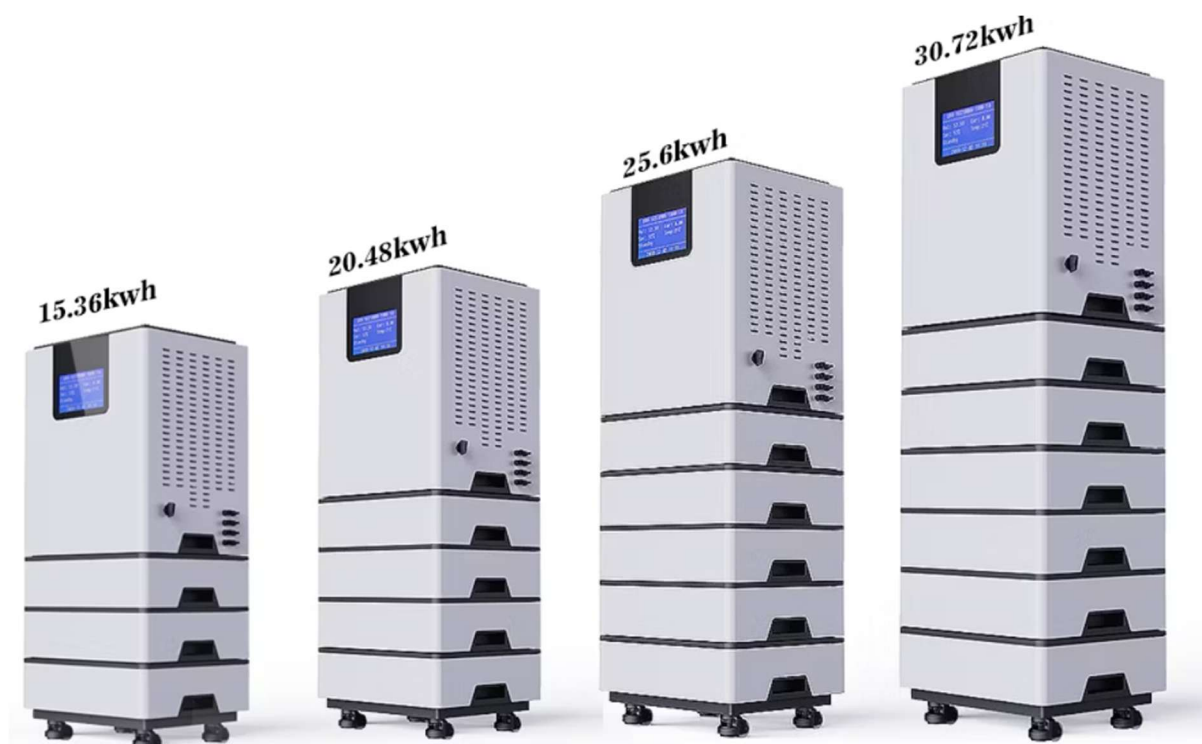
### PRODUCT FEATURES

- ★ A+++ LFP cell and reliable BMS design
- ★ Module design with flexible expansion to 30kwh
- ★ Pulley and rail design ensures easy and quick installation of the system
- ★ Build in MPPT with 99% efficient
- ★ Low-voltage batteries and inverters provide cost-effective storage systems
- ★ Operating temperature ranges from -10C to 55C

System specification				
Model	HS15-HP8T	HS20-HP10T	HS25-HP12T	HS30-HP12T
Inverter parameter				
PV input power	10kW	13kw	15kw	15kw
Max.input current of single MPPT	12.5A			
Max PV Open Circuit Voltage	1000VDC			
MPPT Voltage Range	180~850VDC			
MPPT tracker/strings	2/1			
EPS output power	8.8KVA	11KVA	13.2KVA	13.2KVA
EPS output current	12.7A	15.9A	19.1A	19.1A
EPS output voltage	400VAC			
EPS output frequency	50/60HZ			
EPS Transfer Time	≤ 20ms			
AC grid voltage/range	400/360~440			
Grid frequency	50/60HZ, Auto detect			
Power factor	0.8lagging-0.8leading			
THDi	<3%			
AC output topology	3W+N+PE			
Battery parameter				
Battery Type	LiFePo4	LiFePo4	LiFePo4	LiFePo4
Rated voltage	153.6V	204.8V	256V	307.2V
Energy(25°C, 0.5C)	15.36kwh	20.48kwh	25.6kwh	30.72kwh
System parameter				
Display	7 inch touch LCD			
System charge/discharge efficient	>98%			
Operating temperature	-10°C~60°C			
Humidity	15%~85%(No condensation)			
Size(W*D*H)	640*400*1604mm	640*400*1872mm	640*400*2140mm	640*400*2408mm
weight	184kg	232kg	280kg	328kg



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## CORE COMPONENTS

### ★Can be stacked

Movable home energy storage battery, A single battery is 5KWH, which can be stacked up to 30KWH, Effectively respond to sudden power outages and planned power restrictions





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### ★ Battery Management System

Real-time monitoring, and smart protection. prolong battery lifespan.

Data Monitoring

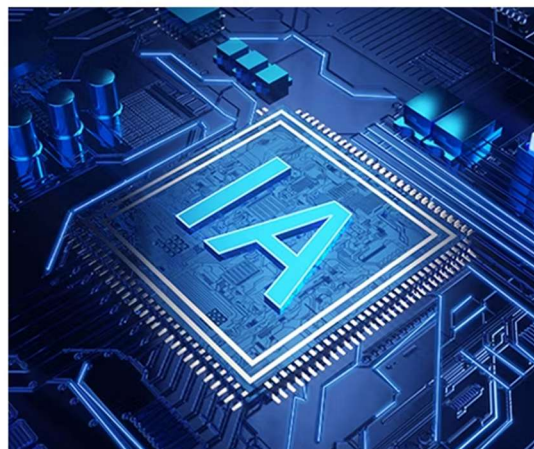
Voltage, Current, Temperature, etc.

Safety Protection

Overcharge, Overdischarge, Overcurrent, Overtemperature, Online alarm, etc.

Data Interaction

CAN, RS485,



### ★ All-in-one Battery System with inverter



#### Smart Switch

Optional Off-grid/on-grid inverter

Integrated design, Off-grid operation

supporting emergency power

supply, switchable at any time,

multiple inverter modes, 3/4/5KW

### ★ Intelligent Battery Management System

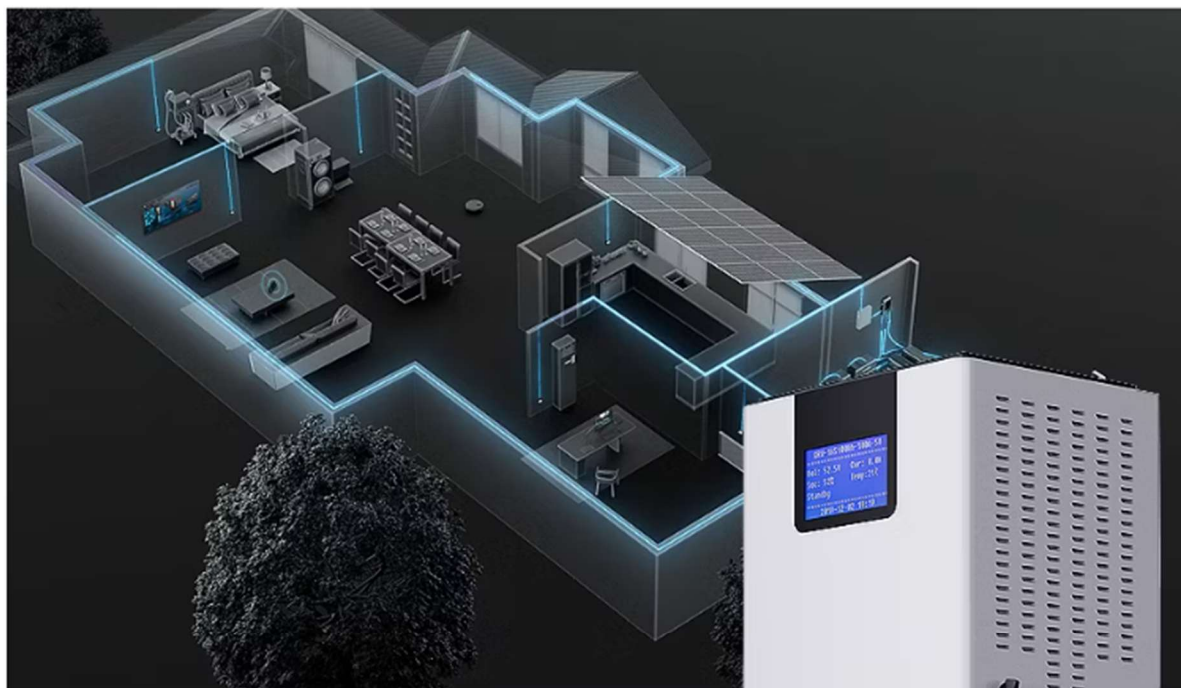
Smart 7 Inch Touch screen display the parameters of the equipment in real time, and the running status is clear



## PRODUCT APPLICATION

### Residential Energy Storage System

The intelligent small energy storage system is combined with advanced LiFe-PO4 lithium batteries, hybrid inverters, energy management systems, and photovoltaic module systems, which is suitable for household energy storage, farms, and other applications.



Villa



Base station



Telecom room



EV charging station



Farm







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