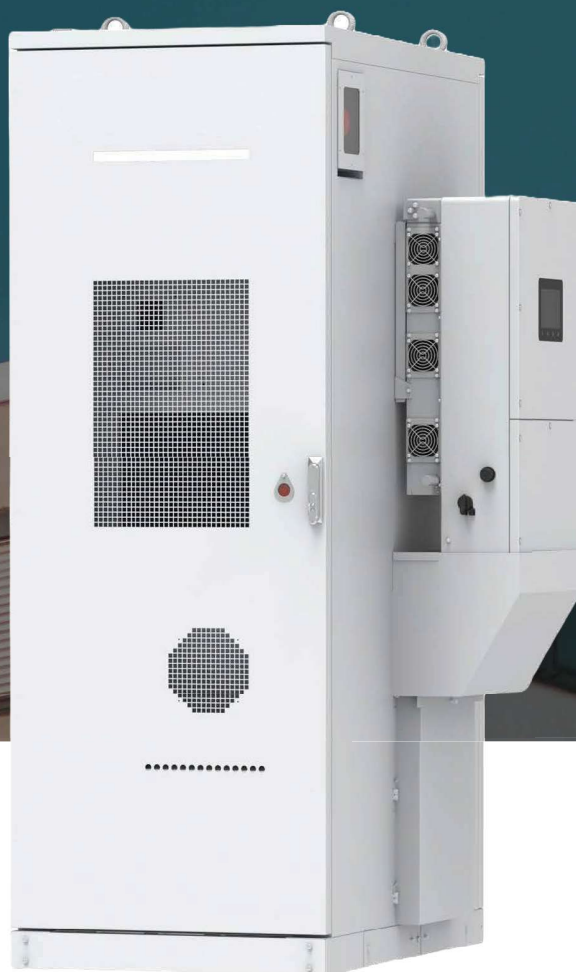


# Smart PV ESS Cabinet

ES64/30K-A/EU



## Advantages and Features

- Integrated design of photovoltaic and energy storage, supporting photovoltaic access, and enabling green electricity storage
- Efficient conversion with a maximum system efficiency of up to 88%, maximizing revenue
- Seamless switching between grid-connected and off-grid modes, providing reliable backup energy for critical loads
- LFP batteries feature high safety and long lifespan cells, ensuring reliability and security
- Modular design, supporting multiple parallel connections, with flexible configuration options
- Cloud-based APP for real-time monitoring, remote OTA upgrades, and intelligent operation and maintenance
- IP55 and maximum C4 high-protection design, suitable for multiple scenarios

## Specifications

Product Model	ES64/30K-A/EU
<b>Battery Data</b>	
Battery type	LiFePO4
Battery cell capacity	3.2V/314Ah
Battery cell combination	1P16S*4
Nominal capacity	64.3kWh
Rated voltage	204.8V
Voltage rage	DC 160~233.6V
Rated charge/discharge current	140A
DOD	90%
Cooling method	Fan cooling
<b>PV Input</b>	
Max. input power	60kW
Max. input voltage	1000V
MPPT operating voltage range	150-850V
Start-up voltage	180V
Max. input current	40A*3
Max. short circuit current	60A*3
No. of MPPT trackers	3
No. of strings per MPPT	2+2+2
<b>AC Output</b>	
Nominal output power	30kW
Nominal output voltage	3/N/PE, 220V/380V, 230V/400V
Nominal output frequency	50Hz/60Hz
Max. output current	43.3A/45.6A
Power factor	>0.99 (0.8 lead to 0.8 lag, can be set)
THDi	<3%
<b>Back-up Data</b>	
Nominal output voltage	230V/400V, 3L/N/PE
Nominal output frequency	50Hz/60Hz
Max. output current	45.6A
Nominal output power	30kW
Max. apparent power	30kVA
Max. Single-phase apparent power	10kVA
Switching time	<20ms
<b>System Data</b>	
Dimensions(WxHxD)	800*1216*2241mm
Weight	~1.06T
Protection grade	IP55
Anti-corrosion grade	C4
Operating temperature	-25°C~60°C
Storage temperature	-30°C~60°C
Relative humidity	≤95%
Altitude	≤2000m
PCS cooling method	Forced air cooling
Communication interface	Ethernet, CAN2.0, RS485, 4G

### Disclaimer:

This document may contain forecast information, including but not limited to future finances, operations, product series, new technologies, etc. Due to practice the uncertainty in the actual results may differ from the predicted information. Therefore, the information in this document is for reference only and does not constitute any offer or promise. Bessteq may modify the above information without notice.