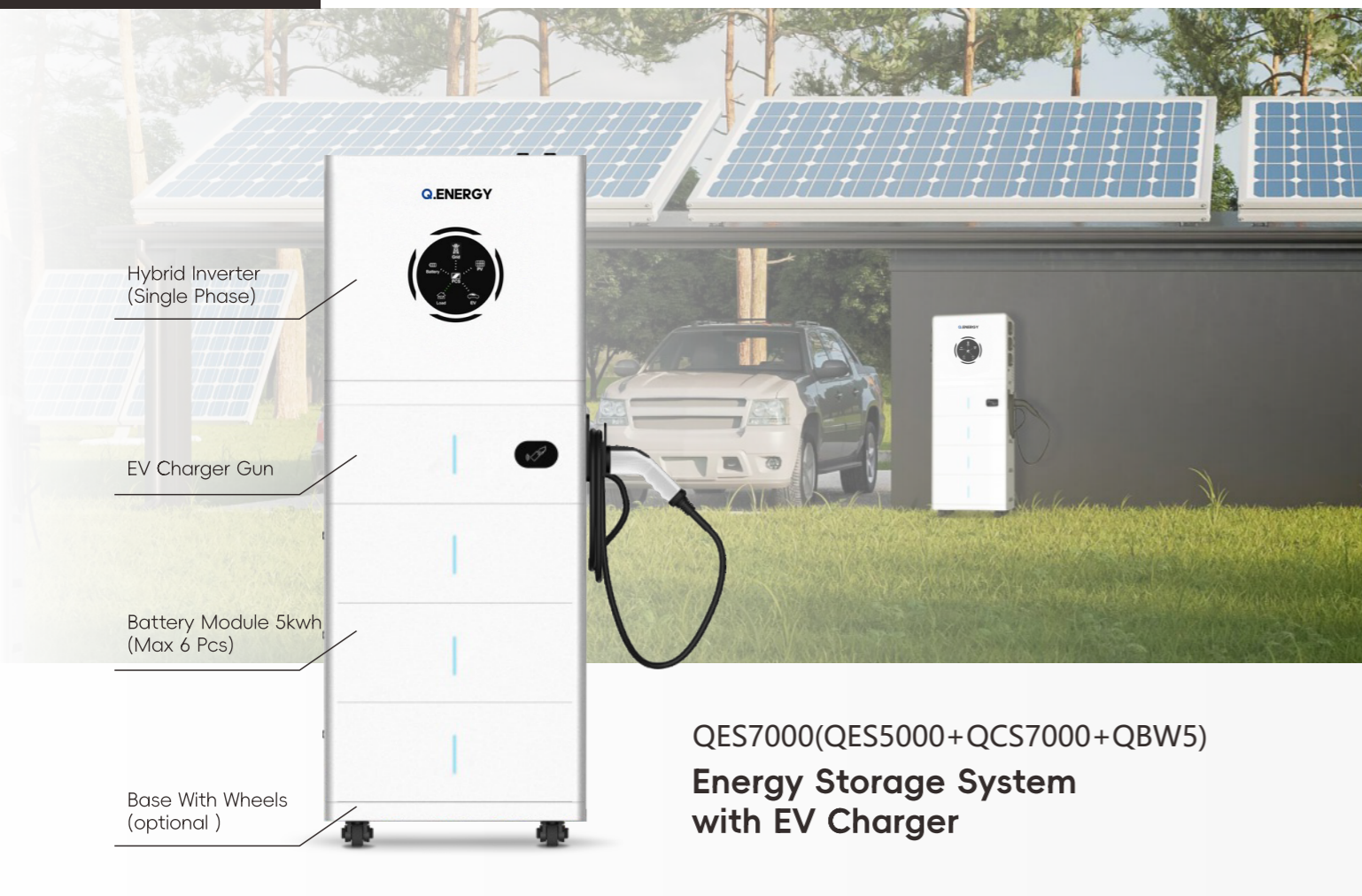


Remarque

Q.ENERGY

Technical Specification

Model	QES7000
Inverter Data	
Max. Input Power(W)	7000W
PV Input Voltage Range(V)	150~500
MPPT Operating Voltage Range(V)	120~430
Number of MPPT	2
Number of Strings per MPPT	1
Max. Input Current per MPPT	15A/15A
Nominal Utility Grid Voltage(V)	220/230/240
Nominal Utility Grid Frequency(Hz)	50/60
Rated Power Output to Utility Grid(W)	5000
Max. Apparent Power Output to Utility Grid(VA)	5500
Back-up Rated Power(W)	4500
Switch Time	<10ms
Battery Data	
Battery Type	LiFePO4
Single Battery Energy(kWh)	5.12
No. of Expandable Batteries	8
Usable Energy Range(kWh)	5.12~40.96
Battery Voltage Range(V)	41.6~58.5
EV Charger Data	
Rated Power(W)	7000
Nominal Voltage(V)	220/230/240
Nominal Frequency(Hz)	50/60
Operation Mode	Swipe card/APP control/Insert charger plug to start automatically/Schedule appointment for charging
Output cable	5m AC charging cable
Convetion Efficiency	
Max. Efficiency	98%
EU Efficiency	97%
Max. Battery to AC Efficiency	95%
MPPT Efficiency	99.9%
System Data	
Operating Temperature Range (°C)	-25~55°C
Relative Humidity	≤95% (25°C)
Vibration	<0.5G
Noise	<35 dB
Installation Altitude above Sea Level	<2000m
Protection Level	IP65
Cooling Mode	Natural Cooling
Communication	RS485/CAN/WiFi
Inverter Dimensions (W x H x D mm)	580 x 501 x 370
EV Charger Dimensions (W x H x D mm)	580 x 220 x 370
Single Battery Dimensions (W x H x D mm)	580 x 220 x 370
Base Dimensions (W x H x D mm)	604 x 100 x 404



Product Features



Easy to install.
Modular design.
Expand the modules
by stacking



PV inverter + ES + EV Charger,
all in one. Save
the installation cost of
charging piles. And they
have one APP



Expandable batteries.
Up to 6 parallel batteries
can be expanded by
stacking



IP65 Dustproof
and Waterproof
Rating



Hardware and software
dual protection
(Complte protection: Anti-islanding, Short,
Overcurrent, Overvoltage,
Overtemperature, etc.)



Excess input PV power.
The input PV power is 1.4
times of rated AC
output power