

# All-in-One Series

UE-All-in-One PV+ESS-50kW-51~225kWh



Model	PV+ESS-50kW-100Ah-51kWh	PV+ESS-50kW-314Ah-112kWh	PV+ESS-50kW-100Ah-102kWh	PV+ESS-50kW-314Ah-225kWh
Rated Voltage(V)	512	358.4	512	716.8
Rated Capacity(Ah)	100Ah	314Ah	2*100Ah	314Ah
Cabinet Size(mm)	640*830*1900	1250*1245*2175	1300*830*1900	1626*1245*2175
Weight(kg)	750	1260	1300	2200
Max Charge/Discharge Current(A)	100A	140A	2*100A	140A
Cooling Method	Air-Cooling			
Protection Level	IP54			
Fire Extinguisher	Aerosol			
<b>Battery Specifications</b>				
Battery Module	51.2V-100Ah	51.2V-314Ah	51.2V-100Ah	51.2V-314Ah
Nominal Capacity(kWh)	51kWh	112kWh	2*51kWh	225kWh
Recommend Charge/Discharge Current(A)	50A	100A	2*50A	100A
Max Charge/Discharge Current(A)	100A	140A	2*100A	140A
Communication	RS485/CAN			
Working Temperature Range	0°C-50°C charge, -10°C-50°C discharge			
Storage Temperature Range	-20°C-60°C			
Certification	CE/IEC/UL/UN 38.3/MSDS/ROHS			
Design Life	10 years+			
Cycle Life	25±2°C, 6000 cycles@80%DOD,0.5C			
Cooling Method	Air-Cooling			
<b>Inverter Side</b>				
Rated Power(kw)	50			
Grid Voltage	Three Phases, 380V/480V			
Frequency	50Hz/60Hz			
Inverter Type	Hybrid Inverter			
Protection Level	IP65			
Communication	Ethernet, Modbus, TCP/IP, Wifi			
Inverter Brands	UE/ Deye/ Solis/ Megarevo/ Other			



### Safe

Cobalt Free Lithium Iron Phosphate(LFP) Battery: Safety and long Lifespan,high efficiency and high power density. Intelligent BMS, providing complete protection.



### Reliable

Support high discharge power. IP54 protection, natural cooling, wide temperature range: -20°C to 55°C.



### Flexible

Modular design, easy to expand, Suited to residential and commercial applications for increasing the self-consumption ratio.



### Convenient

Battery module auto networking, easy maintenance, support remotely monitoring and upgrade, support USB drive upgrade the firmware.



### Eco-Friendly

Use environmental protection materials, the whole module non-toxic, pollution-free.