All-in-One Series

UE-All-in-One PV+ESS-50kW-51~200kWh

All-in-One

Model	PV+ESS-50kW-100Ah-51kWh	PV+ESS-50kW-280Ah-100kWh	PV+ESS-50kW-100Ah-102kWh	PV+ESS-50kW-280Ah-200kWh
Rated Voltage(V)	512	358.4	512	716.8
Rated Capacity(Ah)	100Ah	280Ah	2*100Ah	280Ah
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	Air-Cooling	Air-Cooling	Air-Cooling
Protection Level	IP54	IP54	IP54	IP54
Fire Extinguisher	Aerosol	Aerosol	Aerosol	Aerosol
Rated Output Current				
Battery Module	51.2V-100Ah	51.2V-280Ah	51.2V-100Ah	51.2V-280Ah
Nominal Capacity(kWh)	51kWh	100kWh	2*51kWh	200kWh
Recommend Charge/Discharge Current(A)	50A	100A	2*50A	100A
Max Charge/Discharge Current(A)	100A	140A	2*100A	140A
Communication	RS485/CAN	RS485/CAN	RS485/CAN	RS485/CAN
Working Temperature Range	0℃-50℃ charge, -10℃-50℃ discharge	0℃-50℃ charge, -10℃-50℃ discharge	0℃-50℃ charge, -10℃-50℃ discharge	0℃-50℃ charge, -10℃-50℃ discharge
Storage Temperature Range	-20℃-60℃	-20℃-60℃	-20℃-60℃	-20℃-60℃
Certification	CE/IEC/UL/UN 38.3/MSDS/ROHS	CE/IEC/UL/UN 38.3/MSDS/ROHS	CE/IEC/UL/UN 38.3/MSDS/ROHS	CE/IEC/UL/UN 38.3/MSDS/ROHS
Design Life	10 years+	10 years+	10 years+	10 years+
Cycle Life	(0.5C/0.5C - 80% DOD) >6000 times	(0.5C/0.5C - 80% DOD) >6000 times	(0.5C/0.5C - 80% DOD) >6000 times	(0.5C/0.5C - 80% DOD) >6000 times
Cooling Method	Air-Cooling	Air-Cooling	Air-Cooling	Air-Cooling
Inverter Side				
Rated Power(kW)	50	50	50	50
Grid Voltage	Three Phases, 380V/480V	Three Phases, 380V/480V	Three Phases, 380V/480V	Three Phases, 380V/480V
Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Inverter Type	Hybrid Inverter	Hybrid Inverter	Hybrid Inverter	Hybrid Inverter
Protection Level	IP65	IP65	IP65	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℃ to 55℃.

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

Convenient
Battery module auto networking, easymaintenance, support remotely monitoring and upgrade, support USB drive upgrade the firmware.

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