

ePowerCUBE **OGES**

Residential off-grid PV-ESS All-in-one Box 5K



5kW/5.12kWh



UPS<20ms



Max. capacity up to 76.5kWh
(additional 14 battery packs)



9 Sets in parallel



Small for
various scenarios



All-in-One
Integrated PCS & Ba

Off-grid PV-ESS All-in-one Box

Model AE5KOGES

PV parameters

Standard output voltage	230Vac
AC input voltage	220/230Vac
Standard output power	5000VA
AC output power	5500W
AC output frequency	50/60Hz
Max. AC charging current	16A
Maximum PV input current	50A
Max. PV input power	5200W
Max. PV charging current	80A
PV voltage range	120V-500V
MPPT voltage range	120V-450V
Switching time	10ms

Battery parameters

Standard battery voltage	51.2V
Battery voltage range	40-60V
Max. discharge current	100A
Max. charging current	100A
Battery capacity	5.12KWh
Cell material	LFP lithium iron phosphate
Number of cycles	>10000 times (25°C, 0.3C, 80%DOD, >60%C25°C)
Operating voltage	44.8-57.6V
Operating temperature	-20°C~40°C (charging temperature) /-40°C~45°C (discharging temperature)
Storage temperature	-20°C~45°C
Storage humidity	5%~95%
Max. number of units connected in parallel	6

General information

Capacity	5.12kWh
(L*W*H) actual size	680*400*430mm
Weight	80KG
Storage temperature	-20°C~45°C
Relative temperature	5%~95%
Operating temperature	-10°C~55°C
Protection rating	IP21 (Indoor)
Cooling method	Natural convection and active fan cooling
Maximum battery efficiency	94%

* The above data were obtained through tests under laboratory conditions at 20°C, and the actual operating environment may vary.