

EcoSave

Highlight Features

30~125kW/104~261kWh

HIGH PERFORMANCE
COMMERCIAL & INDUSTRIAL ESS



 PV/DG Application
 Intelligent Energy Control

 **2026** KAIFA
INNOVATION
BRINGS A
BETTER LIFE

Key Technical Specifications

Parameter	Parameter
Rated Power (Inverter)	30 / 50/ 80/ 100/ 125 KW (5 Models)
Storage Capacity	104 / 156/209 /261 KWh (2-5 Battery Packs In Series)
Max. Inverter Efficiency	98.6% (30K/50K) 97.6%(100K/125K)
European Efficiency	97.97% (30K/50K) 97.2%(100K/125K)
Battery Charge/Discharge Efficiency	≥98% (30K/50K) ≥97.0%(100K/125K)
DC-Side System Efficiency	≥97.6% @ 25°C, Full Load ≥95% @ 0.5P
Depth Of Discharge (DoD)	95%
Grid Voltage / Frequency	3/N/PE,220V/380V,230V/400V 50/60 Hz
Off-Grid Switchover Time	<10 Mse
Power Factor	>0.99 (0.8 Leading ... 0.8 Lagging)
Total Current Harmonic Distortion	<3% (Grid) <2% (Off-Grid)
PV Max. Input Voltage	1,000 V DC
MPPT Voltage Range	150-850V/150-950V
Max. PV Input Power (125K)	250 kW 10 MPPT trackers
Battery Voltage Range	140-800 V (lithium/lead-acid) 300-950 V (lithium)
Whole-System IP Rating	IP55 (battery pack: IP67)
Thermal Management	Intelligent liquid cooling PACK-level AT≤3°C
Fire Suppression	Aerosol automatic fire suppression unit
Noise Level	<70 dB
Corrosion Protection	C4H standard (C5M optional)
Communication	CAN2.0, ModBUS-TCP, MQTT 4G & WiFiv
Operating Temperature	-25°C to +55°C (derate above 45°C)
Max. Operating Altitude	≤3,000 m (derate above 2,000 m)
Cabinet Dimensions (WxDxH)	1,100× 1,350× 2,200 mm
Cabinet Weight	1,560 Kg (104kWh)— 2,600 Kg (261kWh)
Certificates	EC 62619,IEC 61000,UL9540,IEC 62477-1,UN 38.3.PGS-37