

## 130kW/261kWh Diesel-PV-ESS All-in-one



### High-Grade Protection

Cabinet: IP54, C4 Anti-Corrosion; Inverter: IP66; Battery PACK: IP67.  
Suitable for harsh scenarios



### Modular Design

Composed of battery cabinet, distribution cabinet & EMS module. Flexible configuration, dynamic expansion supported.



### Intelligent Monitoring

Real-time power balance, energy scheduling, info monitoring & early warning. Safe and reliable.



### Three-Level Fire Protection

Level 1: Power-off shutdown; Level 2: Perfluorohexanone activation; Level 3: Water spray anti-reignition.



### High Conversion Efficiency

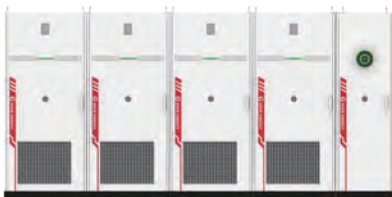
SiC-based optical-storage inverter, max efficiency up to 98.2%, lower LCOE.



### Multi-Scenario Application

Commercial & industrial energy storage, emergency backup power, diesel-solar-storage microgrid, etc.

## System Expansion



130kW/261-1044kWh



130kW/261kWh\*4

# technical parameter

Size of product	EAPV ESS130K261KWH-C
<b>Battery Parameters</b>	
Cell type	314Ah
System Battery Configuration	260S1P
Battery rated capacity	261kWh
Rated voltage	832Vdc
Battery voltage range	728V~943V
Maximum number of expandable units	4
<b>Photovoltaic Parameters</b>	
Maximum input power	260kW
Maximum input voltage	950Vdc
Rated input voltage	810Vdc
Starting voltage	220Vdc
Maximum input/short-circuit current	52/55Hz
MPPT quantity	6
Maximum number of strings for PTPT	3
<b>Power Grid Parameters</b>	
Rated input/output power	260/130kW
Voltage range	380/400Vac (-20%~20%), 3/N/PE
Rated input current	394A/376.8A
Rated output current	197A/188.4A
Power factor	>0.99 (0.8 lead~0.8 lag)
Current Harmonics (THDi)	<3%@rated power
<b>Diesel generator parameters</b>	
Power rating	130kW
Voltage range	380/400Vac (-20%~20%), 3/N/PE
Rated current	197A/188.4A
<b>Backup Parameter</b>	
Power rating	130kW
Rated voltage	380/400Vac, 3/N/PE
Rated frequency	50/60Hz
Rated current	197A/188.4A
Current (THDu)	<3%@linear rated power
<b>System General Parameters</b>	
And the off-grid switching time	<4ms
Levels of protection	Battery cabinet (IP54), battery pack (IP67), distribution cabinet (IP20), photovoltaic-storage inverter (IP65), distribution box (IP55)
Working temperature	-30~60°C (performance degradation at>45°C)
Maximum conversion efficiency	99%
European/MPPT efficiency	98.2%/99.9%
Relative humidity	<95% RH (no condensation)
Cooling-down method	Power cabinet @ Liquid cooling/photovoltaic-storage inverter @ Air cooling
Working altitude	<4000m (depreciation>2000m)
Wired/Wireless Communication	Ethernet (1 Modbus-TCP channel), RS485 (1 Modbus-RTU channel)/4G/WIFI
Human-computer interaction	LED, APP, Web
Meet a criterion	IEC62109-1/2, IEC62619, JEC62477-1, UN38.3, UL9540A, UL1973, IEC62933-5-2, IEC61439-2 GB/T34120, GB/T34133, EN50549, IEC61000-6-1, 2, 3, 4
Product dimensions (width x height x depth)	1000×2250×1350 mm @ battery cabinet; 800×2250×1350 mm @ distribution cabinet
Product weight	≤2000 kg @ battery cabinet, ≤1000 kg @ power distribution cabinet
Noise	<65dB
Firefighting Method	Cell-level + cabinet-level gas fire suppression (perfluorohexane)/aerosol + water fire suppression