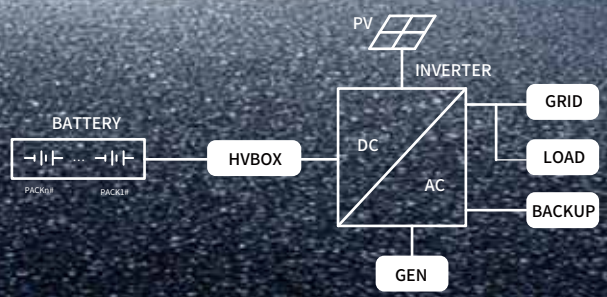
HIZENERGY

PV-Storage Integrated System

- EH50kW-104kWh-LE
- EH50kW-156kWh-LE
- EH50kW-208kWh-LE

- Multi-duration battery for versatile use
- Liquid-cooled PACK, longer life, lower O&M
- Multi-layer safety protection
- 6-unit parallel, <10ms seamless switch
- PV-storage, supports 200% PV oversizing
- Strong overload, stable motor/pump start
- Low center of gravity, safer transport



HIZENERGY

PV-Storage Integrated System

Product Model	EH50kW-104kWh-LE	EH50kW-156kWh-LE	EH50kW-208kWh-LE
AC Side(PCS)			
Nominal Power	50.0 kW		
Maximum Output Apparent Power	50.0 kVA		
Nominal Voltage	3L/N/PE，220/380 V；3L/N/PE，230/400 V		
Nominal Grid Frequency	50/60 Hz		
Nominal Output Current	75.8 A		
Peak Output Apparent Power	80 kVA @2s		
On-Grid/Off-grid Switching Time	＜10 ms		
Power Factor	0.8 leading…0.8 lagging		
THDi / THDv Range	＜3%		
PV Side			
Maximum PV String Power	100 kWp		
Maximum Input Voltage	1,000 V		
MPPT Operating Voltage Range	150-850 V		
MPPT Maximum Input Current	4×40 A		
Number of MPPT / Maximum Input String Paths	4/8		
DC Side (Battery Side)			
Cell Specification	LFP 3.2 V/314 Ah		
System Battery Configuration	1P104S	1P156S	1P208S
Nominal Voltage	332.8 V	499.2 V	665.6 V
Nominal Capacity	104.499 kWh	156.749 kWh	208.998 kWh
Nominal Voltage Range	291.2 - 374.4V	436.8 - 561.6 V	582.4 - 748.8 V
System Parameter			
Maximum Cycle Efficiency	89 %		
Life Cycle	⩾ 8,000 cycles		
Dimensions (W*H*D)	1,300*2,150*1,320 mm (Excl. Inverter)		
Weight	1,428 kg (Cabinet) +73 kg (Inverter)	1,778 kg (Cabinet) +73 kg (Inverter)	2,128 kg (Cabinet) +73 kg (Inverter)
Working Temperature Range	-30 °C - 50 °C		
Depth of Discharge	95 %		
Altitude	2,000 m (Derated operation above 2,000m)		
Fire Protection System	Temperature & smoke detectors, aerosol (Pack & System), water fire protection interface		
Ingress Protection	IP 55		
Corrosion Resistance Class	C 4 (Standard), C 5 (Optional)		
Noise	⩽70 dB		
Standards	IEC62619, IEC61000-6-2/4, IEC62477-1, UN38.3, G99, VDE-AR-N 4105/VDE V 0124, EN 50549-1&2/EN 50549-10, VDE 0126/UTE C 15/VFR:2019, NTS 631/RD 1699/RD 244/UNE 206006/UNE 206007-1, CEI 0-21, C10/11, NRS 097-2-1, TOR, EIFS 2018.2, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530, MEA, PEA,PORTARIA Nº 140, DE 21 DE MARÇO DE 2022		
Communication Interfaces	CAN, RS485, LAN, Optional: WI-FI，4G		

HIZENERGY

EnerBox

Liquid Cooling C&I Energy Storage System

- ES125kW-261kWh-LE
- ES125kW-313kWh-LE

Max. Single-unit Capacity

Supporting up to 313 kWh

Multi-Tier Safety Assurance

Only 1.7㎡

Ultra-compact Footprint

2-Hour

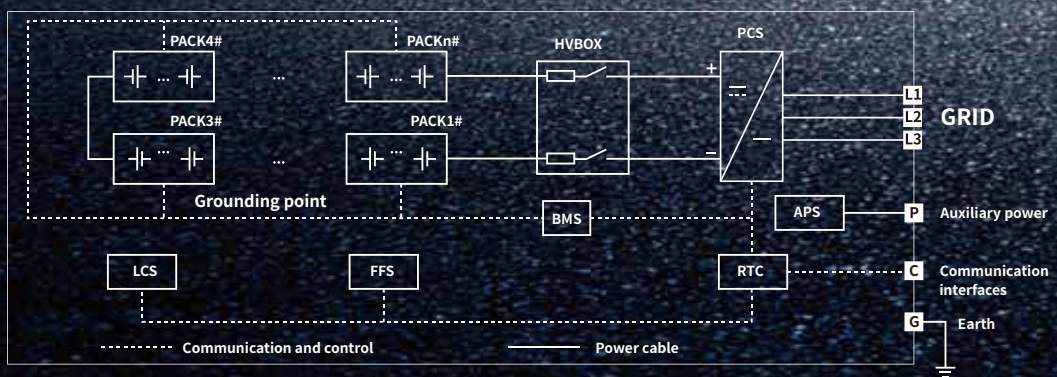
On-site Fast Installation

-30℃~ 50℃

Extreme Temperature Range

98.5% (Industry-leading)

PCS Efficiency



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Liquid Cooling C&I Energy Storage System

EnerBox

Product Model	ES125kW-261kWh-LE	ES125kW-313kWh-LE

AC Side (PCS)

Nominal Power	125 kW
Nominal Grid Voltage	400 V
Access Method	3P3W
Nominal Grid Frequency	50 Hz
Frequency Range	47 Hz – 52Hz
THDi / THDv	< 3 %
DC Component	< 0.5 %
Power Factor Range	0.8 Leading – 0.8 Lagging
Standards	EN IEC 61000-6-2, EN IEC 61000-6-4, EN 62477-1/A12, VDE-AR-N 4110, EN 50549-1/-2/-10, NEN EN 50549-1/-2/-10, C10/C11, SFS EN 50549-1/-2/-10, YA 9:23, SJV2024, SS EN 50549-1/-2/-10, ElFS 2018:2, ALP Ed.3, SR / BDS EN 50549-1/-2/-10

DC Side (Battery Side)

Cell Specification	LFP 314 Ah	
Battery Configuration	260S1P	312S1P
Nominal Capacity	261.248 kWh	313.497 kWh
Voltage Range	728 V – 936 V	873.6 V – 1,100 V
Nominal Voltage	832 V	998.4 V
Cooling Method	Liquid Cooling	
Standards	EN IEC 62619, EN IEC 60730, EN IEC 63056, EN62477-1, UN38.3	

System Parameter

Communication Interfaces	RS485/Ethernet	
Communication Protocol	Modbus-RTU/Modbus-TCP	
Noise	⩽ 70 dB	
Life Cycle	⩾ 8,000 cycles	
Ingress Protection	IP55	
Working Temperature Range	-30 °C - 50 °C	
Altitude	2,000 m（Derated operation above 2,000m）	
Dimensions (W*H*D)	1,300 mm * 2,150 mm * 1,320 mm	
Fire Protection System	Temperature & smoke detectors, aerosol (Pack & System), water fire protection interface	
Weight	2,610±20 kg	2,960±20 kg
Standards	EN IEC 61000-6-2/4, EN IEC 62477-1, EN IEC 63056, EN IEC 62619, UN 38.3	

HIZENERGY

Self-developed PCS

Customized for C&I Application

PCS-125K / EU

IP65
High Protection

-30 ~ 60°C
Wide Operating Temperature

⩾ 98.5%
High Efficiency

600 ~1,100V
Wide Voltage Range

⩽ 100ms
Milliseconds
Dynamic Response

Multi-Application
FFR/FCR/aFRR/mFRR

HIZENERGY

Power Conversion System

PCS-125K/EU

PCS series is independently developed and customized for C&I application. With modular design, compact structure and IP65 high protection, it features flexible configuration, high safety and reliable operation, which enhances economic efficiency.

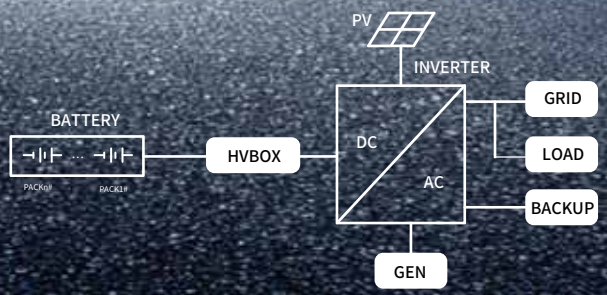
Product Model	PCS-125K/EU
DC Side	
Nominal Voltage	850 V
Voltage Range	600 - 1,100 V
Operation Current Range	0 - 192 A
AC Side	
Nominal Output Power	125 kW
Nominal Grid Voltage	400 V (3P3W)
Grid Voltage Range	340 V - 440 V
Nominal Output Current	180 A
Nominal Grid Frequency	50 Hz
Frequency Range	47 Hz - 52 Hz
THDi / THDv	< 3%
Power Factor Range	0.8 Leading - 0.8 Lagging
Common Parameter	
Dimensions (W * H * D)	860 mm * 268 mm * 900 mm
Weight	132 kg
Ingress Protection	IP 65
Cooling Method	Forced Air - cooling
Noise	⩽70 dB@1m
Display Way	LED indicators
Communication Interfaces	RS485/Ethernet/CAN
Communication Protocol	Modbus-RTU/ Modbus-TCP
Working Temperature Range	-30 °C - 60 °C
Working Humidity Range	0 - 100 %
Altitude	2,000 m（Derated operation above 2,000m）
Standards	EN IEC 61000-6-2, EN IEC 61000-6-4, EN 62477-1/A12, VDE-AR-N 4110, EN 50549-1/-2/-10, NEN EN 50549-1/-2/-10, C10/C11, SFS EN 50549-1/-2/-10, YA 9:23, SJV2024, SS EN 50549-1/-2/-10, ElFS 2018:2, ALP Ed.3, SR / BDS EN 50549-1/-2/-10

HIZENERGY

PV-Storage Integrated System

- EH125kW-261kWh-LE
- EH125kW-522kWh-LE

- Multi-duration battery for versatile use
- Liquid-cooled PACK, longer life, lower O&M
- Multi-layer safety protection
- 6-unit parallel, <10ms seamless switch
- PV-storage, supports 200% PV oversizing
- Strong overload, stable motor/pump start
- Low center of gravity, safer transport



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PV-Storage Integrated System

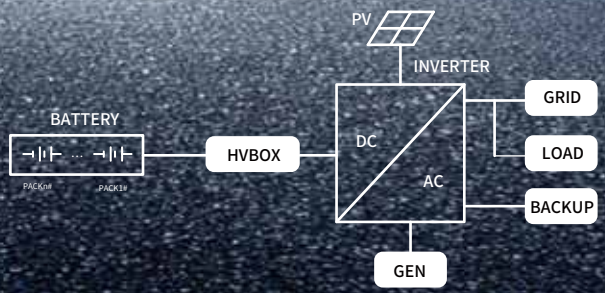
Product Model	EH125kW-261kWh-LE	EH125kW-522kWh-LE
AC Side(PCS)		
Nominal Power	125 kW	
Maximum Output Apparent Power	125 kVA	
Nominal Voltage	3L/N/PE，220/380 V; 3L/N/PE，230/400 V	
Nominal Grid Frequency	50/60 Hz	
Nominal Output Current	189.9 A	
Peak Output Apparent Power	175 kVA @10s	
On-Grid/Off-grid Switching Time	＜10 ms	
Power Factor	0.8 leading…0.8 lagging	
THDi / THDv Range	<3%	
PV Side		
Maximum PV String Power	250 kWp	
Maximum Input Voltage	1,000 V	
MPPT Operating Voltage Range	150-950 V	
MPPT Maximum Input Current	10×42 A	
Number of MPPT / Maximum Input String Paths	10/20	
DC Side (Battery Side)		
Cell Specification	LFP 3.2 V/314 Ah	
System Battery Configuration	1P260S	1P260S*2
Nominal Voltage	832 V	
Nominal Capacity	261.248kWh	522.496kWh
Nominal Voltage Range	728 - 936 V	
System Parameter		
Maximum Cycle Efficiency	89 %	
Life Cycle	⩾ 8,000 cycles	
Dimensions (W * H * D)	1,300*2,150*1,320 mm (Excl. Inverter)	
Weight	2,478 kg (Cabinet) +170 kg (Inverter)	2,478 kg * 2(Cabinet) +170 kg (Inverter)
Working Temperature Range	-30 °C - 50 °C	
Depth of Discharge	95 %	
Altitude	2,000 m (Derated operation above 2,000m)	
Fire Protection System	Temperature & smoke detectors, aerosol (Pack & System), water fire protection interface	
Ingress Protection	IP 55	
Corrosion Resistance Class	C 4 (Standard), C 5 (Optional)	
Noise	⩽70 dB	
Standards	IEC62619, IEC61000-6-2/4, IEC62477-1, UN38.3,G99, VDE-AR-N 4105/VDE V 0124, EN 50549-1&2/EN 50549-10, VDE 0126/UTE C 15/VFR:2019, NTS 631/RD 1699/RD 244/UNE 206006/UNE 206007-1, CEI 0-21, C10/11, NRS 097-2-1, TOR, EIFS 2018.2, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530, MEA, PEA,PORTARIA Nº 140, DE 21 DE MARÇO DE 2022	
Communication Interfaces	CAN, RS485, LAN, Optional: WI-FI，4G	

HIZENERGY

PV-Storage Integrated System

- EH99.9kW-208kWh-LE / EH100kW-208kWh-LE
- EH99.9kW-417kWh-LE / EH100kW-417kWh-LE

- Multi-duration battery for versatile use
- Liquid-cooled PACK, longer life, lower O&M
- Multi-layer safety protection
- 6-unit parallel, <10ms seamless switch
- PV-storage, supports 200% PV oversizing
- Strong overload, stable motor/pump start
- Low center of gravity, safer transport



HIZENERGY

PV-Storage Integrated System

Product Model	EH99.9kW-208kWh-LE/ EH100kW-208kWh-LE	EH99.9kW-417kWh-LE/ EH100kW-417kWh-LE
AC Side(PCS)		
Nominal Power	99.9/100 kW	
Maximum Output Apparent Power	99.9/100 kVA	
Nominal Voltage	3L/N/PE, 220/380 V; 3L/N/PE, 230/400 V	
Nominal Grid Frequency	50/60 Hz	
Nominal Output Current	151.8A / 152 A	
Peak Output Apparent Power	160kVA @10s	
On-Grid/Off-grid Switching Time	＜10 ms	
Power Factor	0.8 leading…0.8 lagging	
THDi / THDv Range	<3%	
PV Side		
Maximum PV String Power	200 kWp	
Maximum Input Voltage	1,000 V	
MPPT Operating Voltage Range	150-950 V	
MPPT Maximum Input Current	10×42 A	
Number of MPPT / Maximum Input String Paths	10/20	
DC Side (Battery Side)		
Cell Specification	LFP 3.2 V/314 Ah	
System Battery Configuration	1P208S	1P208S*2
Nominal Voltage	665.6 V	
Nominal Capacity	208.998 kWh	417.997 kWh
Nominal Voltage Range	582.4 - 748.8 V	
System Parameter		
Maximum Cycle Efficiency	89 %	
Life Cycle	⩾ 8,000 cycles	
Dimensions (W * H * D)	1,300*2,150*1,320 mm (Excl. Inverter)	
Weight	2,128 kg (Cabinet) +170 kg (Inverter)	2,128 kg * 2 (Cabinet) +170 kg (Inverter)
Working Temperature Range	-30 °C - 50 °C	
Depth of Discharge	95 %	
Altitude	2,000 m (Derated operation above 2,000m)	
Fire Protection System	Temperature & smoke detectors, aerosol (Pack & System), water fire protection interface	
Ingress Protection	IP 55	
Corrosion Resistance Class	C 4 (Standard), C 5 (Optional)	
Noise	⩽70 dB	
Standards	IEC62619, IEC61000-6-2/4, IEC62477-1, UN38.3,G99, VDE-AR-N 4105/VDE V 0124, EN 50549-1&2/EN 50549-10, VDE 0126/UTE C 15/VFR:2019, NTS 631/RD 1699/RD 244/UNE 206006/UNE 206007-1, CEI 0-21, C10/11, NRS 097-2-1, TOR, EIFS 2018.2, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530, MEA, PEA,PORTARIA Nº 140, DE 21 DE MARÇO DE 2022	
Communication Interfaces	CAN, RS485, LAN, Optional: WI-FI, 4G	