



# ES125-261 ENERGY STORAGE SYSTEM



## Safe & Reliable

5-layer fire safety design;  
3-level overcurrent protection; Intelligent cell management



## Easy to Use

Support one-click remote OTA upgrade; Four-layer data security protection, ensuring zero information leakage; Product life-cycle support with fast maintenance and troubleshooting



## Short Payback Period

AI & dynamic electricity tariffs; Integrated system design with pre-installation and pre-commissioning, reducing on-site setup time



## Flexible Expansion

Parallel expansion with support to various scenarios; Intelligent energy dispatch to help increase revenue



## High Energy Conversion Efficiency

System round-trip efficiency of 90% with flexible depth of discharge up to 100%



## IP54-rated Protection

Effective protection against dust and water under normal operating environments

Model	ES125-261
Rated Power	125 kW
Rated Capacity	261 kWh
Rated Voltage	400 Va.c.
Rated Frequency	50 Hz
Rated Current	181 A
Power Factor	-1 ~ +1
Reactive Power Range	-131.25 ~ +131.25 kvar
System Round-trip Efficiency	90%
Battery Cycle Life	≥8000 times @ 25°C, SOH=70%
Fire Suppression System	Perfluorohexanone (PACK) + Active detection + Water fire suppression
Cooling Method	Plate Liquid Cooling & Forced Air Cooling
Operating Temperature	-30 ~ 55 °C
Altitude	<3000 m (derating over 3000 m)
Relative Humidity	0 ~ 95 %, No condensation
Communication	LAN, RS485, TCP/IP, ICE61850
Remote Communication	4G-EMS/APP
Ingress Protection Rating	IP54
Weight	≤ 2.2 T (Excluding cooling liquid)
Cabinet Dimensions (W*D*H)	1000*1350*2350 mm

AC Parameters	ES125-261
Rated Power	125 kW
Rated Voltage	400 Va.c.
Rated Current	181 A
Rated Frequency	50 Hz
Output Power Factor	-1 ~ +1
Reactive Power Range	-131.25 ~ +131.25 kvar
Wiring Method	3Ph + N +PE
THDI	≤3%
Power Factor	≥0.99
Overload Capacity	110%
Cooling Method	Air Cooling

DC Parameters	ES125-261
Battery Type	LFP 3.2V314 Ah
Rated Capacity	261 kWh
Rated Voltage	832 Vd.c.
Voltage Range	650 ~ 936 Vd.c.
Battery Cluster Configuration	1P260S
Cooling Method	Plate Liquid Cooling

#### Standard Compliance

##### Grid Connection:

DE: VDE-AR-N4105:2018; CZ: PPDS ANNEX 4:2022; AT: TOR Erzeuger Typ A V1.2:2022 OVE-Richtlinie R 25:2020, TOR Erzeuger Typ B V1.3:2024 OVE-Richtlinie R 25:2020; EN 50549: EN 50549-1:2019, EN 50549-1:2019/C1:2019, EN 50549-1:2019/A1:2023, EN 50549-2:2019, EN 50549-2:2019/A1:2023, EN50549-10:2022

Safety: IEC 62477

EMC: IEC 61000