



Engley ESS Europe B.V.
Yizheng Honghan Engley Technology Co., Ltd

All-in-one Liquid-cooled ESS Cabinet

EngStore-STD-125kW/261kWh-CE-A



EVE314Ah
Cell

2HOURS
Support 2h System

MPPT Option
Integrated two MPPT module

IEC62619 IEC61000
Certified

High integration

ALL-IN-ONE design, highly integrated;
Low voltage (400Vac) direct connection
without high voltage intervention.

High response speed for charge-discharge

The cabinet has high response speed for
charge-discharge, it can satisfy the re-
sponse speed demands in systematic ap-
plication scenarios.

High reliability, high safety

Strictly execute the control system instructions, safe and reliable performance in all working conditions;
Robust breakdown management functions;
Sophisticated fire-proofing, anti-explosion, anti-knock and other protections, satisfying the safety operation demands.

High cycle life

Above 8000 times charge-discharge life-
time, satisfying the high lifetime demands
of the energy storage system.

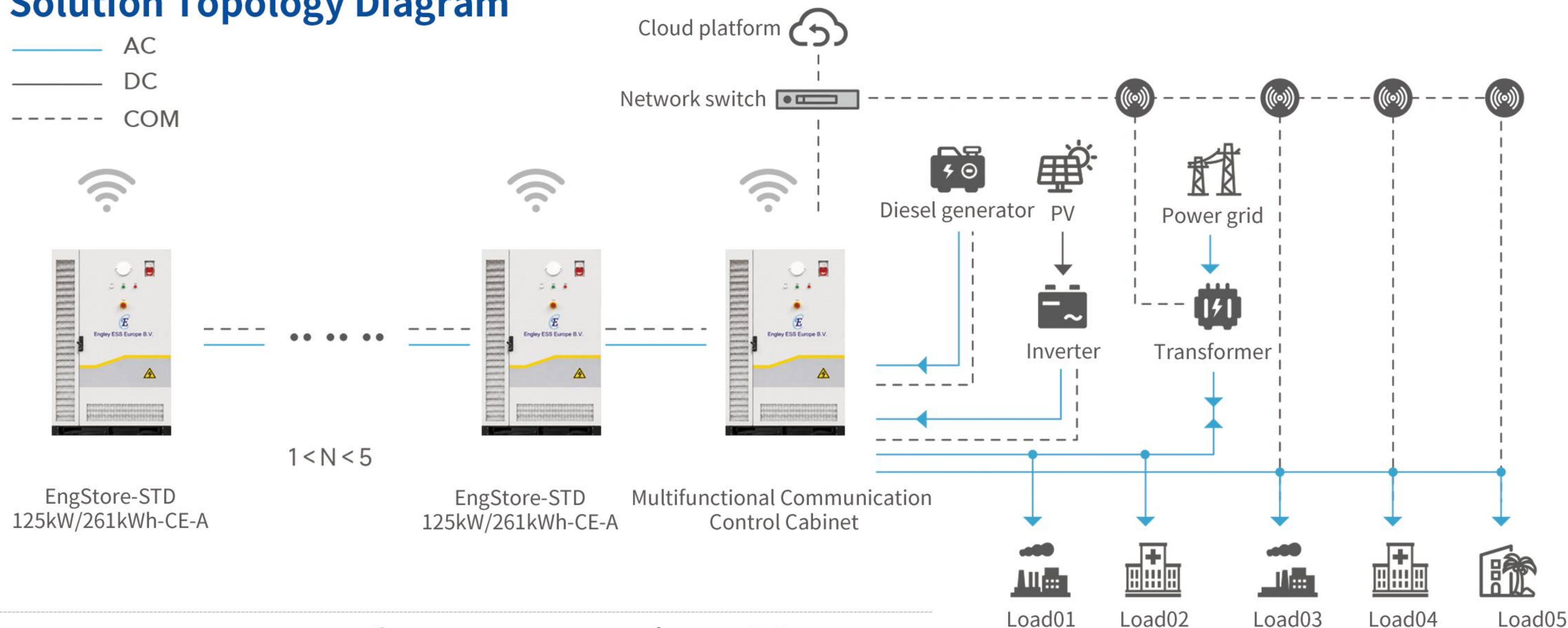
Integrated MPPT module

Two MPPT module ,8 channels. Reduce
investment in MPPT cabinets.



Solution Topology Diagram

— AC
— DC
- - - COM



Applications



European HQ: Engley ESS Europe B.V.

EngStore-STD-125kW/261kWh-CE-A

AC Side

Rated Output Power	125kW
Rated Voltage	3/N/PE, 400 V
Voltage Range	340...460V
Rated Frequency	50/60 Hz
Total Harmonic Distortion (THDi)	≤3%
Power Factor	-0.99 ~ +0.99

DC Side

Battery Type	LFP , 3.2 V / 314 Ah
Battery PACK Configuration	1P52S/52.2kWh
Battery Capacity	261 kWh
Rated Battery Voltage / Voltage Range	DC 728V ~ DC 949V

General

Dimensions (W*D*H)	W1300mm * D1400mm * H2050mm(Excluding hooks and protruding parts)		
Weight	Around 2800kg		
Operating Temperature Range	-20°C...+55°C (derating @ > 50°C)		
Relative Humidity	0...95%		
Altitude	≤ 4000 m (Derate above 2000m)		
Cooling	Liquid Cooling		
Noise	≤75dB @1m		
Ingress Protection	IP55		
Fire suppression system	Active early warning + smoke and temperature sensor + combustible gas detection + cabinet level fire suppression + external water fire suppression + explosion-proof exhaust + blow-off valve		
Communication	RS485 / CAN / Ethernet		
Standard	UN38.3、IEC62619、EN IEC61000、EN62477、RoHS2.0 REACH SVHC(254) EN50549-1 EN50549-10		

MPPT Module Optional(one module parameters as below)

MPPT Channels	4 Channels
Max PV Voltage (V)	1100
MPPT Voltage Range (V)	150-1000
Min Rated Power Voltage (V)	350
Rated Power (kW)	62.5kW
Overload Capacity	1.1 times continuous operation / 1.2 times for 1 minute
Max PV Current (A)	50 A per string × 4 strings
DC Bus (Battery) Voltage Range (V)	350-1000
Peak Efficiency	≥99%
Dimensions	480 × 550 × 133 (Width × Depth × Height)
Weight	≤35kg
Noise	≤70dB
IP Rating	IP20
Cooling	Forced air cooling