Advantages

All-in-One System
PV input, energy storage, EV fast charging, EMS, off-on grid operation, thermal management, liquid-cooling system, fire-fighting system — fully integrated into one cabinet.

Wide Range of Deployments
On-grid/off-grid switching, modular expansion, adaptable to utility/commercial/industrial/off-grid sites.

EV Fast Charging
Dual gun DC fast charger (up to 180 kW total), supports single-gun 250 A output.

Solar + Grid Input
Accepts multiple power sources (PV, utility grid) with seamless switching between on-grid and off-grid modes.

Utility-Interactive
Grid-forming/grid-following compatible; compliant with UL1741, IEEE 1547.

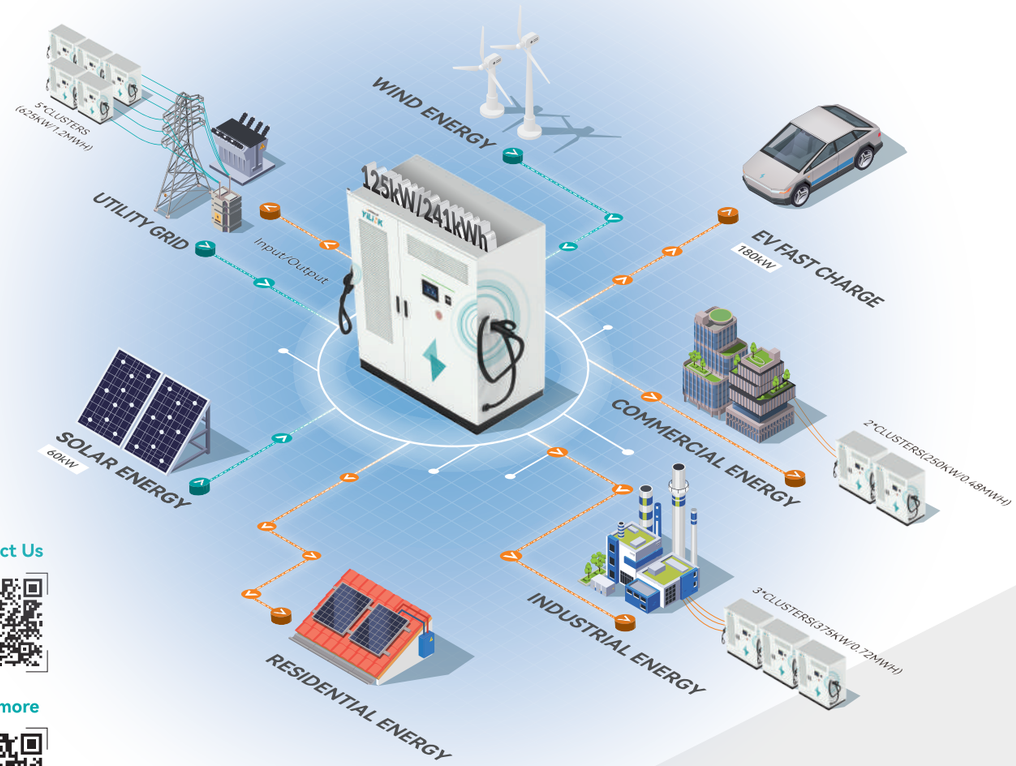
Built-in EMS
Real-time energy management, load forecasting, time-of-use optimization, and VPP connectivity.

Scalable Architecture
Supports parallel operation of up to 5 units (600 kW / 1.2 MWh total capacity).

Liquid Cooling System
Intelligent temperature control with <3°C cell temp variance.

Multi-Protocol Communication
RS485, CAN, Wi-Fi, 4G; API-ready for remote monitoring or grid aggregator platforms.

Speed to Deploy
Pre-integrated system with compact footprint
= lower installation cost & faster project delivery



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Power a Better World

All-in-One Energy | Seamless Power | Total Energy Freedom

YiLiNK EnergyHub241

- Lithium Battery
- EV Fast Charge
- Peak Shaving
- Solar Charge
- Load Shift
- Solar Storage
- Thermal Management
- Grid tied / Off-grid Switch

Introduction

YiLiNK EnergyHub241 is a next-gen all-in-one energy solution integrating solar input, battery storage, EV fast charging, and EMS intelligence — all inside one cabinet. Designed for grid-interactive or off-grid use, it delivers scalable capacity, utility-grade safety, and seamless deployment for C&I, microgrid, and fleet applications.

Whether powering buildings, charging fleets, or supporting grid flexibility, EnergyHub241 delivers true energy independence — smart, safe, and future-ready.

Industrial Energy Applications: High Voltage Lithium Battery

Specification

System Model	YiLiNK EnergyHub241
System Parameters	
Energy Storage Power	125kW
EV Charging Power	180kW
Nominal Energy	241kWh
Parallel Capability	5*Clusters(600kW/1.2MWh)
Voltage Range DC	648~876V
Output Voltage AC	3*230/400Vac
Composition	1P240S
Nominal Voltage DC	768V
Cycle Efficiency	≥93%
Cycle Life	≥6000 Times
Dimension	D1400*W1600*H1800mm
IP Rating	IP54
Weight	3000kg
Operating Temperature Range	-20~50℃
Max. Operating Altitude	≤4000m
Noise	< 75dB
Battery Temperature Control Method	Liquid Cooling
Firefighting Methods	Fire Protection Inside the Cabinet
Communication	RS232/RS485/WiFi/4G/Ethernet
Battery Cluster	
Composition	1P240S
Nominal Capacity	314Ah
Nominal Voltage DC	768V
Nominal Energy	241kWh
Weight	1500kg
EV Charging System	
Max outout power	180kW
Number of Charge Connector	2*180kW
Max. Current of Single Charge Connector	250A
Charge Connector Type	CCS1/NACS
Charge Connector IP Rating	IP67
Startup Method	APP Scan/VIN Code/Card Swiping/Password Login
Display Mode	7-inch Touch Screen
Input Voltage Range	200~850Vdc
Output Voltage Range	200~1000Vdc(Constant Power Voltage Range: 300V~1000Vdc)

PCS Parameters	
Max. DC Power	125kW
Max. DC Input Current	216A
DC Operating Voltage Range	580~1000V
Nominal AC Power	125kW
Max. AC Current	217A
AC Operating Voltage Range	300~480Vac（3P3L/3P4L）
Nominal Grid Frequency	50/60Hz
Dimension	D720*W444*H220mm
Weight	60kg
MPPT Parameters	
PV Max. Input Power	60kW
PV Max. Input Current	400A
PV DC Operating Voltage Range	150~1000V
Nominal Power	60kW
Single Channel Max. Current	180A
Output Voltage Range	350~1000Vdc
Input Voltage Range	150~1000Vdc
Parallel Quantity	8
Working Temperature	-30~60 ℃ (Derating Above 45 ℃)
Relative Humidity	0% RH~95% RH, Non Condensing
Working Altitude	≤4000m
Communication Methods	RS485/CAN/Ethernet
Isolation Method	Non Isolated Type
Maximum Efciency	99%
Dimensions	D550*W444*H130mm
Weight	25kg

Cycle Efficiency@0.5C Cycle Life@0.5C