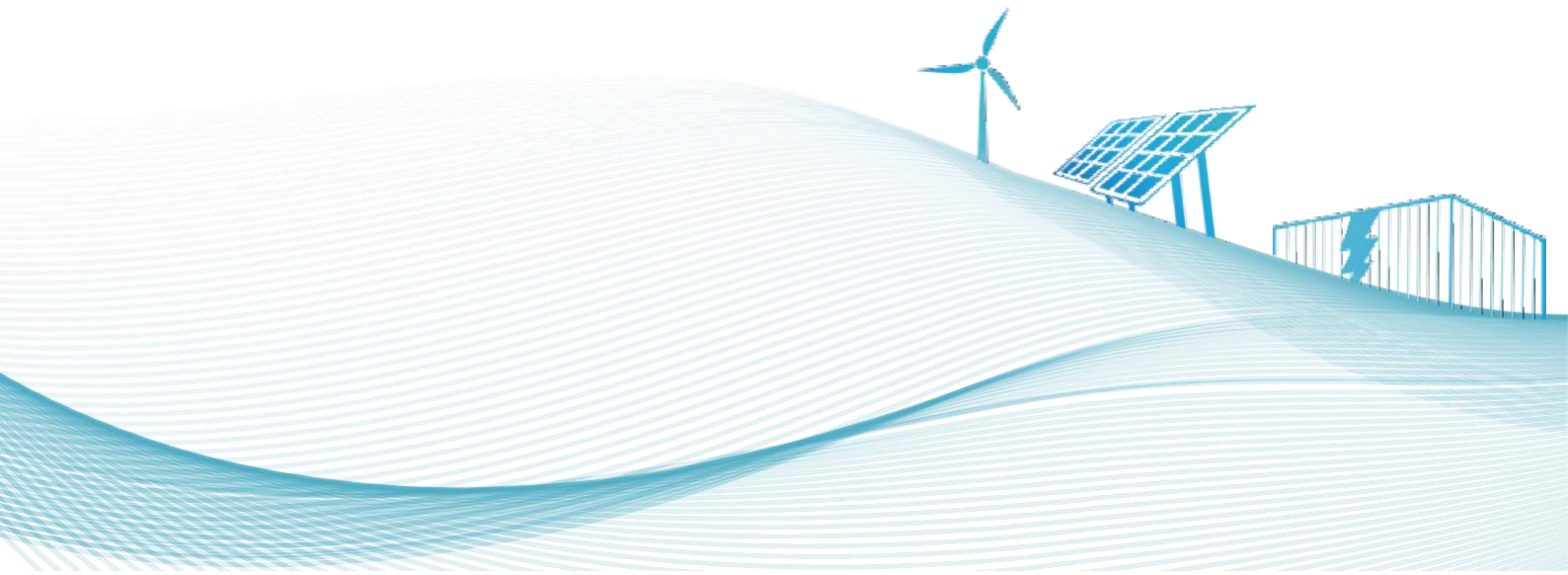
HYSEA

Stock Code:831305



Energy Storage System Solutions

Smart Energy Integrated Service Provider

Catalogue

Company Introduction

Shanghai Haixi Industrial Communication Co. Ltd (stock code:831305) founded in 2001, is a leading enterprise in the industry of industrial wireless control in China. Haixi Energy Storage founded in 2023, is an important brand of the company, has built manufacturing bases in Huzhou City Zhejiang Province and Heze City Shandong Province respectively. As a renewable energy company driven by technology innovation, Haixi always focus on core technology research of energy storage system, committed to providing customers with one-stop solution. Now, it has research ability of cell、whole manufacturing ability of module、pack and system integration. As a company of social responsiblity, Haixi is committed to building intelligent manufacturing bases for actively contributing to "Made in China 2025"and "Carbon Peak, Carbon Neutral".

Energy Storage Cell Product

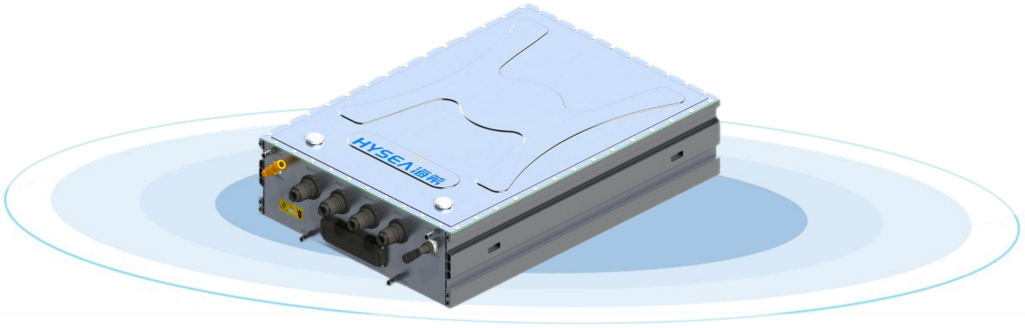
- High Safety
- Long Life
- High Efficiency
- Low Attenuation

(In Certification)

GB/T-36276 | IEC62619 | RoHS | REACH | UL 1973 | UL 9540A | UN38.3

PARAMETERS	
Cell Type	LFP53300178-320Ah
Nominal Capacity	320Ah
Nominal Voltage	3.2V
Maximum Charge Voltage	3.65V
Discharge Cut-off Voltage	2.5V
Standard Charge and Discharge Current	0.5C
Maximum Continuous Charge and Discharge Current	1C
Maximum Pulse Discharge Current	3C 30s (25℃±2, 50%SOC)
Operatinon Temperature	-30℃~55℃
Cell Weight	6.3±0.05kg
Cycle Life (25±2℃, 0.5C/0.5C)	≥10000
Low Temperature Discharge Capacity	≥80% (-20℃)

Pack Product



High Safety

High Reliability

High Durability

High Efficiency

(In Certification)

GB/T-36276 IEC62619 RoHS REACH UL 1973 UL 9540A UN38.3

PARAMETERS	
Cell Type	LFP3.2V/280Ah
Nominal Voltage	166.4V
Group Scheme	1P52S
Nominal Capacity	46.592kWh
Operatinon Voltage	135.2~187.2V
Weight	418kg
Operatinon Temperature	-20~55℃
Rated Charge and Discharge Power	0.5P
Cooling Mode	Immersion Liquid Cooling&Heating
Protection Level	IP68
Lower Box Solution	Profile Lower Shell
Upper Cover Solution	Sheet Metal Upper Cover

Mega Energy Storage Product

High Safety

High Reliability

High Efficiency

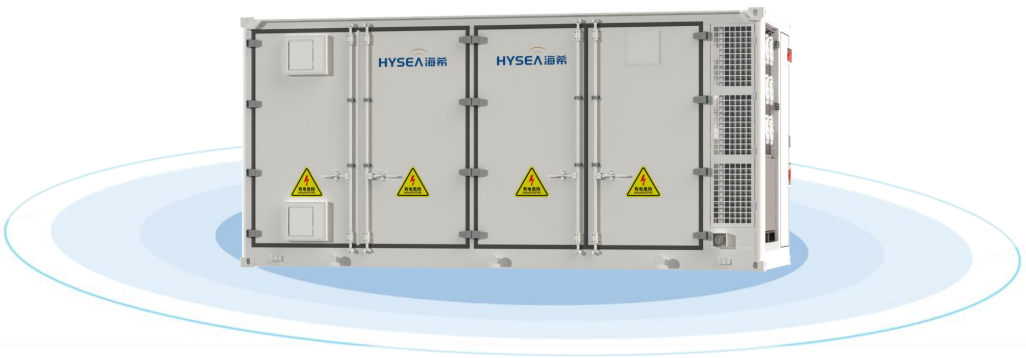
High Intelligence

(In Certification)

GB/T-36276 IEC62477-1 IEC62619 IEC63056 UL 1973 UL 9540A UN38.3

PARAMETERS	
Cell Type	LFP 3.2V/280Ah
System Group Scheme	9*8Pack*1P52S
Nominal Voltage	1331.2V
Energy Storage Voltage	1164.8~1497.6V
Nominal Capacity	3.354MWh
Rated Power	1.675MW
Operatinon Temperature	-20～55℃
Relative Humidity	0-95% (No Condensation)
Cooling Mode	Liquid Cooling
Fire Fighting Mode	Pack Level Fire Warning (Perfluorohexanone)
Altitude	≤2000m (>2000m, Underclocking Use)
Protection Level	Cabient:IP55, PACK:IP67
Size(L*W*H)	6058*2600*2896mm
Weight	35 ton

Mega Energy Storage Product



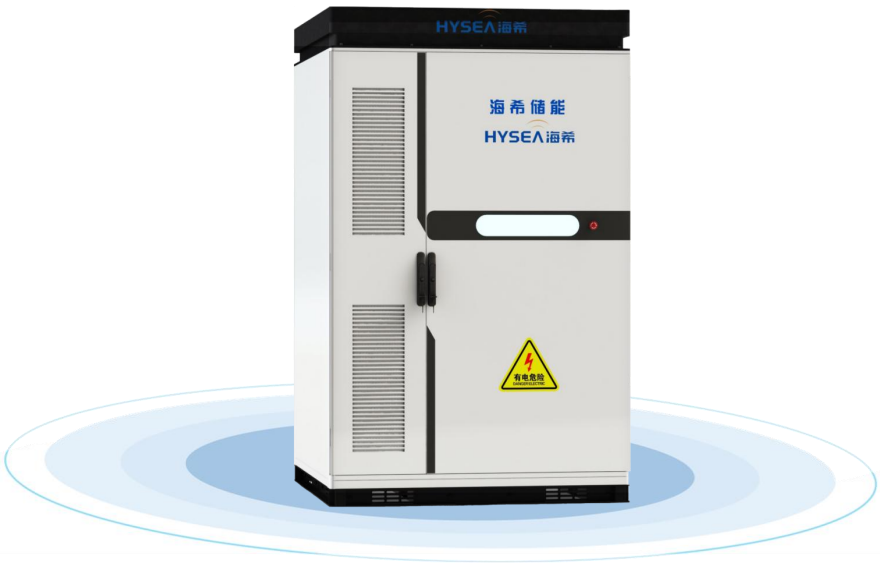
- High Efficiency
- High Safety
- High Reliability
- High Intelligence

(In Certification)

GB/T-36276 IEC62477-1 IEC62619 IEC63056 UL 1973 UL 9540A UN38.3

PARAMETERS	
Cell Type	LFP 3.2V/314Ah
System Group Scheme	12*4Pack*1P104S
Nominal Voltage	1331.2V
Energy Storage Voltage	1164.8~1497.6V
Nominal Capacity	5.016MWh
Rated Power	2.5MW
Operatinon Temperature	-20～55℃
Relative Humidity	0-95% (No Condensation)
Cooling Mode	Liquid Cooling
Fire Fighting Mode	Pack Level Fire Warning (Perfluorohexanone)
Altitude	≤2000m (>2000m, Underclocking Use)
Protection Level	Cabient:IP55, PACK:IP67
Size(L*W*H)	6058*2438*2896mm
Weight	43 ton

Commercial&Industrial Energy Storage Products



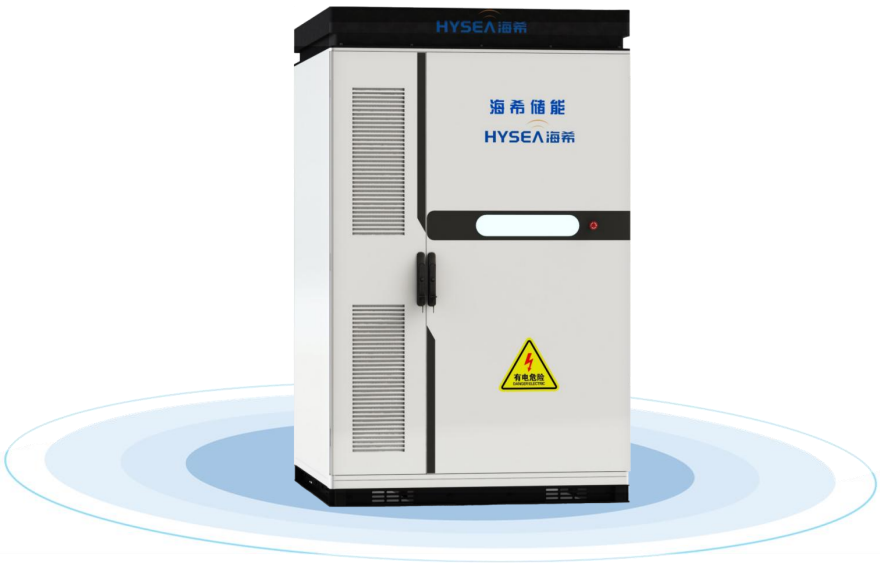
- High Safety
- High Durability
- High Intelligence
- High Convenience

(In Certification)

GB/T-36276 | IEC62477-1 | IEC62619 | IEC63056 | UL 1973 | UL 9540A | UN38.3

PARAMETERS		
Cell Type	LFP 3.2V/280Ah	LFP 3.2V/314Ah
System Group Scheme	5Pack*1P52S	5Pack*1P52S
Nominal Voltage	832V	832V
Energy Storage Voltage	728~936V	728~936V
Nominal Capacity	232.96kWh	261.24kWh
Anticorrosion Level	C5 (Selectable)	C5 (Selectable)
Rated Power	110kW	125kW
Size(L*W*H)	1450*1400*2350mm	1450*1400*2350mm
Weight	≈2700kg	≈2730kg

Commercial&Industrial Energy Storage Products



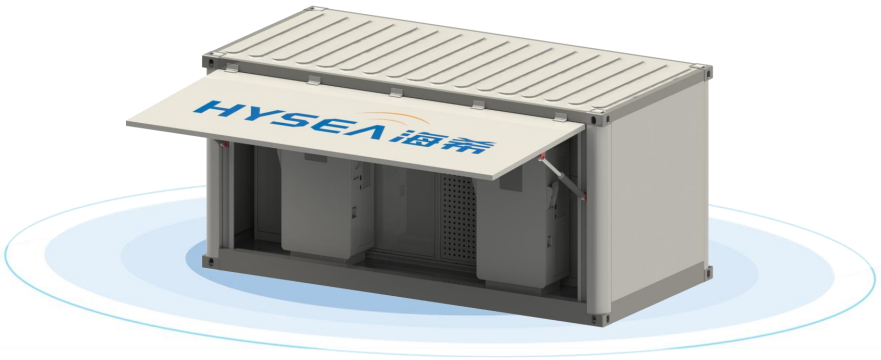
- High Integration
- High Safety
- High Efficiency
- Easy Extension

(In Certification)

GB/T-36276 IEC62477-1 IEC62619 IEC63056 UL 1973 UL 9540A UN38.3

PARAMETERS		
Cell Type	LFP 3.2V/280Ah	LFP 3.2V/314Ah
System Group Scheme	8Pack*1P52S	8Pack*1P52S
Nominal Voltage	1331.2V	1331.2V
Energy Storage Voltage	1164.8~1497.6V	1164.8~1497.6V
Nominal Capacity	372.736kWh	417.996kWh
Anticorrosion Level	C5 (Selectable)	C5 (Selectable)
Rated Power	186.4kW	200kW
Size(L*W*H)	1450*1400*2650mm	1450*1400*2650mm
Weight	≈3800kg	≈3840kg

Charging &Storage Product



High Convenience

High Safety

High Integration

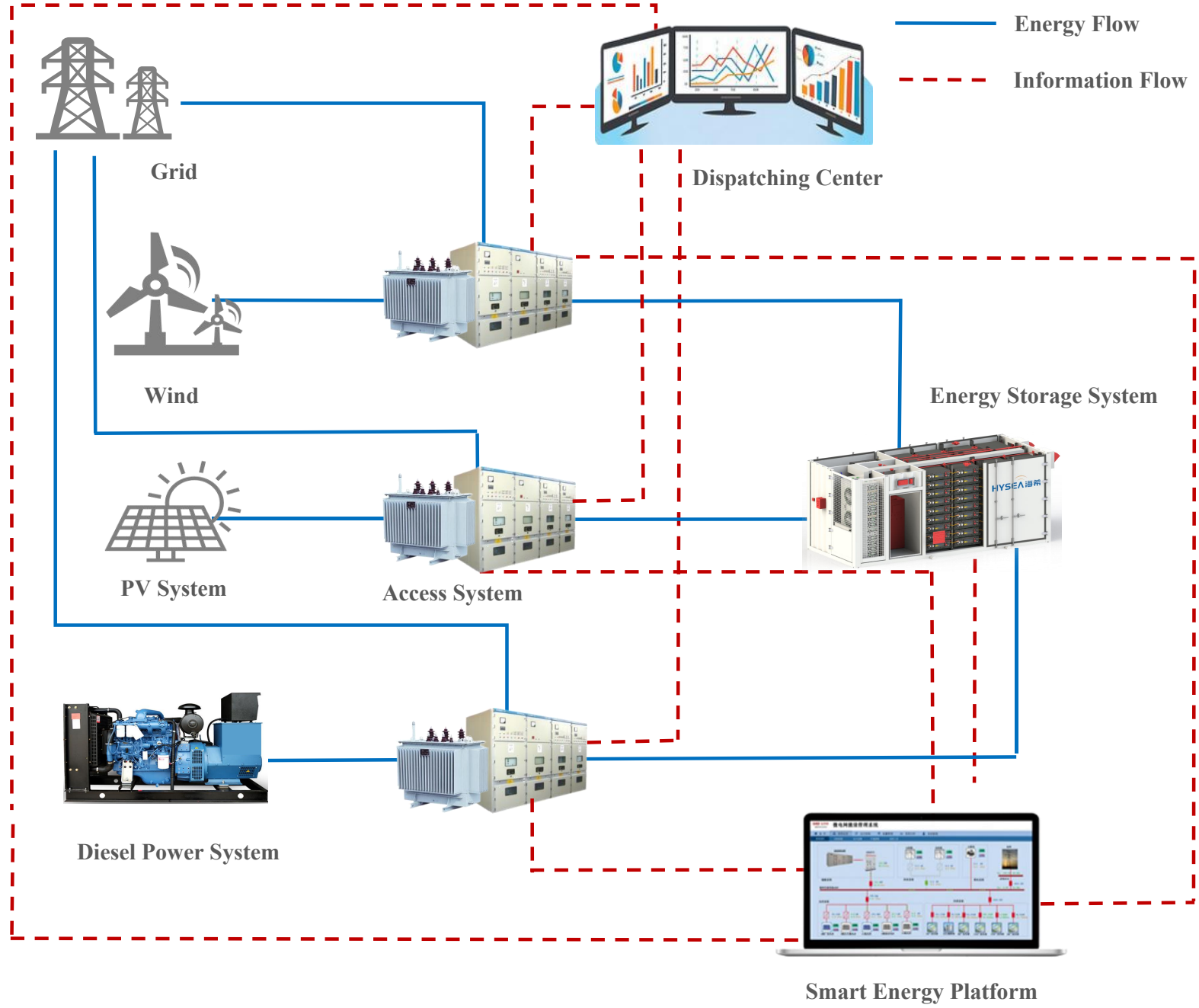
Easy Extension

(In Certification)

GB/T-36276 IEC62477-1 IEC62619 IEC63056 UL 1973 UL 9540A UN38.3

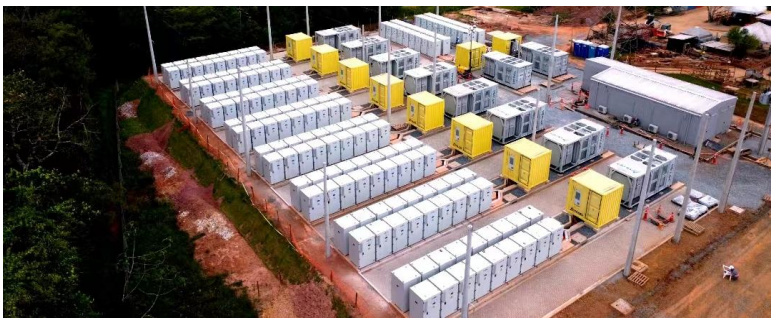
PARAMETERS			
Cell Type	LFP 3.2V/314Ah	Input Voltage	AC380V±15%
System Group Scheme	2*5Pack*1P52S	Ac Grid Frequency	50Hz±10%
Nominal Voltage	832V	Output Voltage Error	≤0.5%
System Voltage Range	676~936V	Output Current Error	≤±1% (I≥30A)
Nominal Capacity	522.48kWh		≤±0.3A (I<30A)
Rated Power	200kW	Voltage Regulation Accuracy	≤±0.5%
Max Power	220kW (Long-term Operation)	Current Regulation Accuracy	≤±1%
Operation Temperature	-20~55℃	Ripple Coefficient	≤1%
Storage Temperature	-40~60℃	Average Efficiency	≥93% (P≥50%)
Relative Humidity	0-95% (No Condensation)	Power Factor	≥0.98 (P≥50%)
Altitude	≤2000m (>2000m, Underclocking Use)	Dielectric Strength	No Breakdown&Flashover
Cooling Mode	Liquid Cooling	Insulation Resistance	≥10MΩ
Fire Fighting Mode	Pack Level Fire Warning (Perfluorohexanone)	Noise	≤60dB
Protection Level	Cabient:IP54, PACK:IP67	Cooling Mode	Air Cooling
Size(L*W*H)	4000*2000*2000mm (Without Car)	Protection Level	IP54
Application Vehicle Type	4.2m Truck	Touch Screen	7 Inch LED, 800*480mm

Solution Topology



Mega Energy Storage Solution

Application Case



Advantage

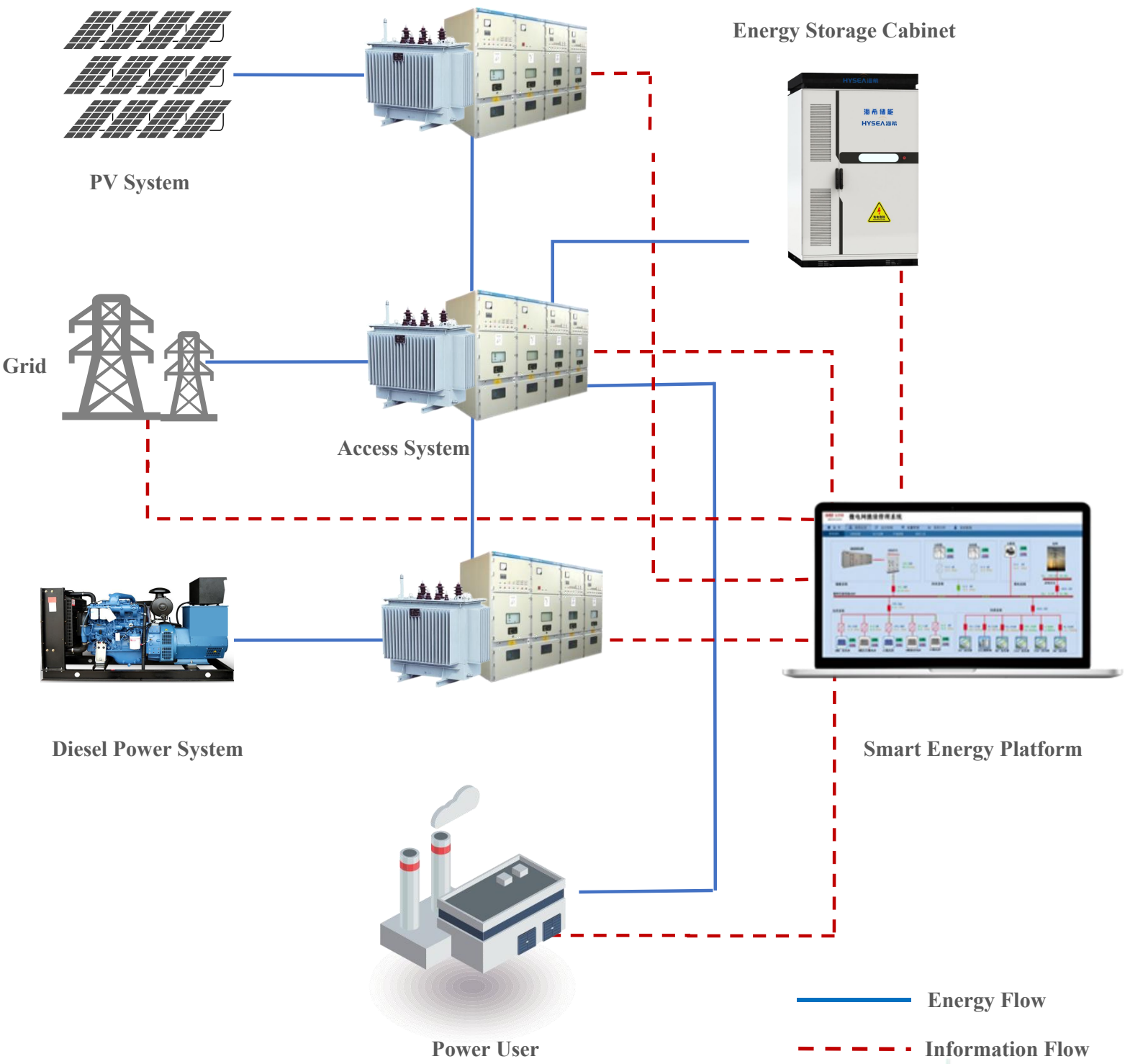
The system provides power users with continuous and stable electricity supply through grid、wind、pv and diesel, uses energy storage cabient to adjust and store electricity through smart energy platform.

Reduce Grid Shock, Improve Renewable Energy Quality

Stabilize Power Fluctuation, Reduce Wind & Light Abandonment

Improve Power Generation Quality, Meet Power Scheduling Requirement

Solution Topology



Commercial&Industrial Energy Storage Solution

Application Case

Advantage

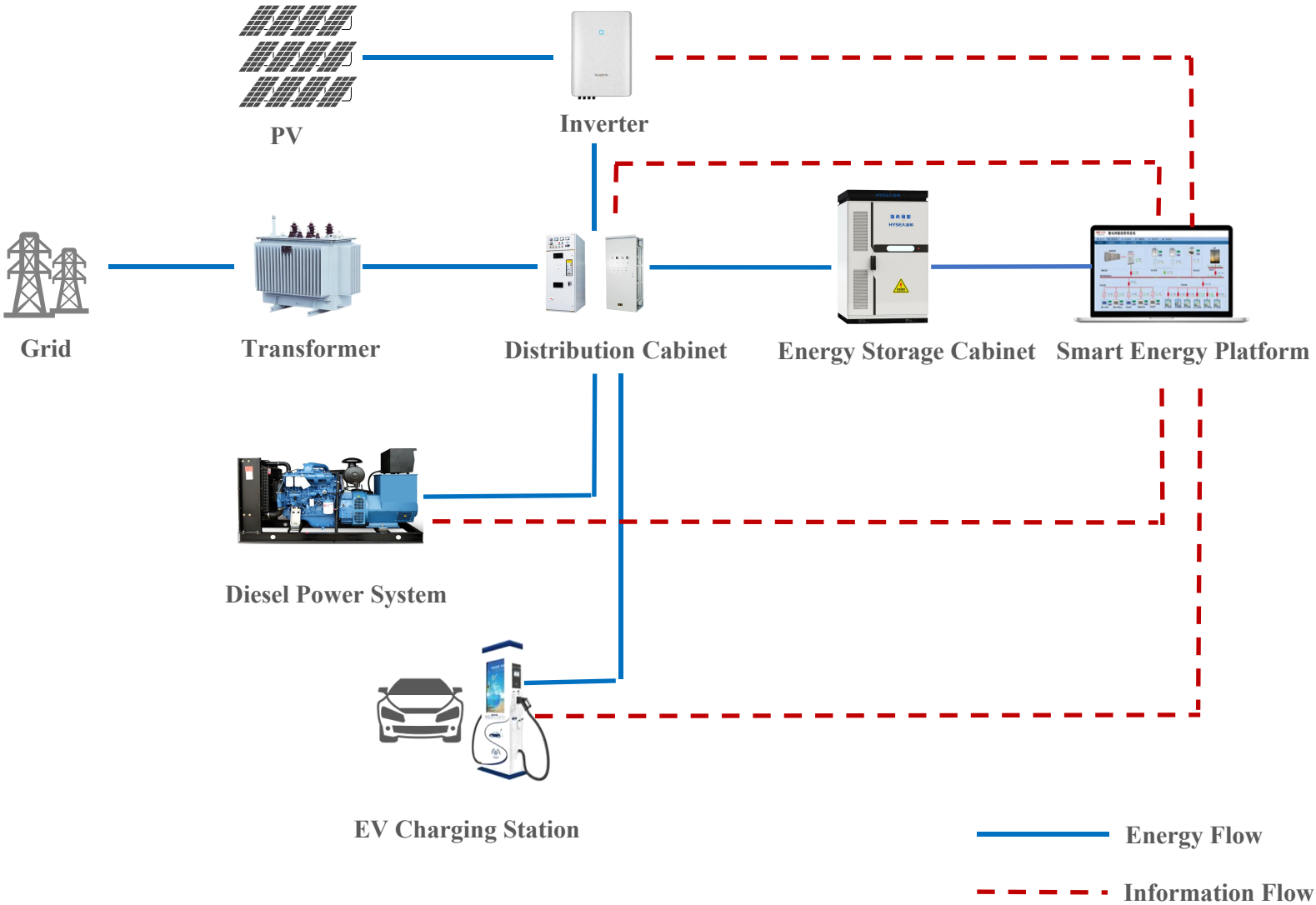
The system provides power users with continuous and stable electricity supply through grid、pv and diesel, uses energy storage cabient to adjust and store electricity through smart energy platform.

Intelligently Optimize Charging And Discharging Strategy, Maximize Saving Electricity Cost

Flexible Layout, Easy Access, Multi-level Parallel, Easy Expansion

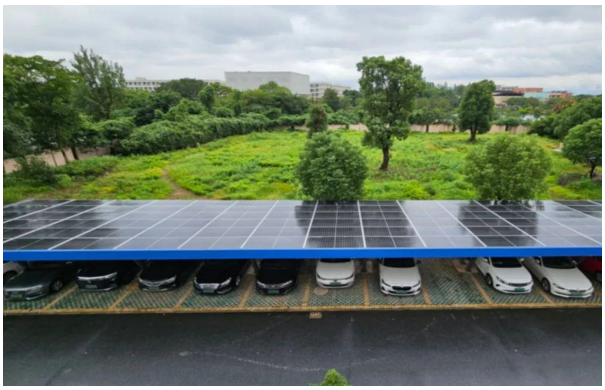
Accept Virtual Power Plant Dispatching For Additional Benefits

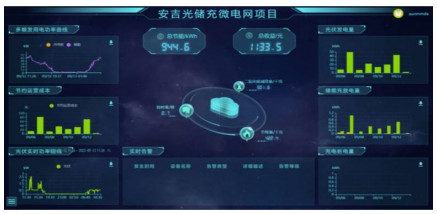
Solution Topology



Optical Storage And Charging System Solution

Application Case





Advantage

The system provides power users with continuous and stable electricity supply through grid、pv and diesel, uses energy storage cabient to adjust and store electricity through smart energy platform.

Improve Renewable Energy Utilization, Reduce Pollution Gas Emission

Reduce Charging Cost, Used As Backup Power

Realize Optimal Energy Allocation

Solve Charging Station Capacity, Improve Economics

Connecting Wonderful Life With Renewable Energy

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