

C&I ESS SERIES (RPCI-320V/314Ah)

ENERGY STORAGE SYSTEM

Economical and Efficient

- RTE over 90%, DOD over 95%.

Safe and Reliable

- IP54, optimized ventilation design, temperature difference within 6°C.

Compact & Convenien

- 1m² footprint, easy to transport and install

Expandable & Modular

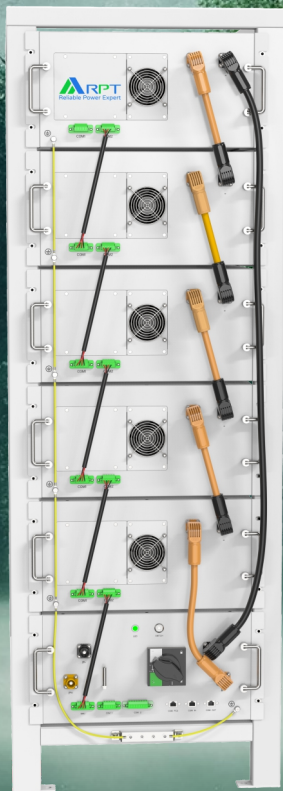
- Easy modular design supports parallel connection for convenient system expansion.

Self-developed

- PACK, BMS and EMS are all independently developed with good compatibility.

Easy O&M

- Support multiple ways of operation and maintenance, including onsite, cloud.



300mA Passive Balancing Technology

Built-in cell balancing circuit improves monomer consistency and effectively extends the overall cycle life of the battery pack.



Flexible Parallel Expansion

Supports up to 8 clusters in parallel (6 clusters recommended), supports offline control.



Full Protocol Custom Adaptation

Equipped with RS485/CAN/LAN/dry contact interfaces, and can be connected to energy storage and UPS equipment of different brands as required.



3-Level Intelligent BMS Management

Adopts BMU+RBMS+SBMS three-tier architecture.



Large-Capacity Data Traceability

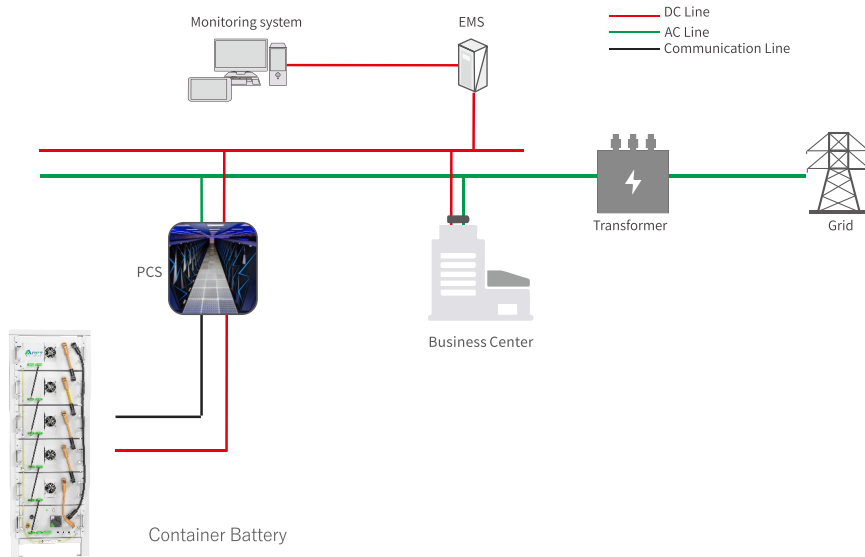
Built-in high-capacity memory chip stores key operation data.

Battery Module Specification

Cell	LFP64V 314Ah
Assembly	1P20S
Rated Voltage	64V
Rated Energy	20kWh
Operating Voltage Range	58V ~71V
Dimensions	492*232*937.5
Weight	140kg
IP Protection Rating	IP 20
Fire Protection	Aerosol
Discharging Temperature	-30~55°C
Charging Temperature	0~55°C
Operating Humidity	5%-90%RH

System Specification

Assembly	5S1P
Nominal Capacity	314Ah
Rated Voltage	100.48kWh
Rated energy	320V
Nominal Charge Current	157A
Maximum Charge Current	167A
Nominal Discharge Current	157A
Maximum Discharge Current	167A
Maximum Charge Voltage	355V
Cut-off Voltage	290V
Storage Temperature Range	a year 0~35°C, three months 0~35°C, one months -20~45°C
Nominal mass (kg)	802
Battery Module Dimension (W*H*D)	1630*970*566±5mm
Recommended Charge Type	Constant power charge
Protection Class	IP 20
Cooling Method	Air Conditional
Certifications	CE,IEC62619



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C&I ESS SERIES (RPCI-384V/314Ah) ENERGY STORAGE SYSTEM

- Economical and Efficient**
 - RTE over 90%, DOD over 95%.
- Safe and Reliable**
 - IP54, optimized ventilation design, temperature difference within 6°C.
- Compact & Convenien**
 - 1m² footprint, easy to transport and install
- Expandable & Modular**
 - Easy modular design supports parallel connection for convenient system expansion.
- Self-developed**
 - PACK, BMS and EMS are all independently developed with good compatibility.
- Easy O&M**
 - Support multiple ways of operation and maintenance, including onsite, cloud.



300mA Passive Balancing Technology
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Flexible Parallel Expansion
Supports up to 8 clusters in parallel (6 clusters recommended), supports offline control.



Full Protocol Custom Adaptation
Equipped with RS485/CAN/LAN/dry contact interfaces, and can be connected to energy storage and UPS equipment of different brands as required.

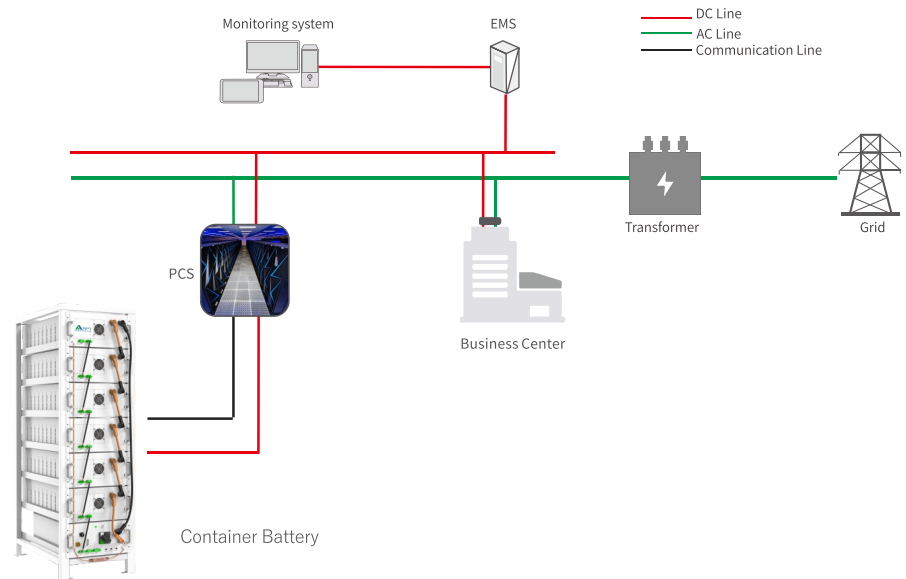


3-Level Intelligent BMS Management
Adopts BMU+RBMS+SBMS three-tier architecture.



Large-Capacity Data Traceability
Built-in high-capacity memory chip stores key operation data.

Battery Module Specification	
Cell	LFP64V 314Ah
Assembly	1P20S
Rated Voltage	64V
Rated Energy	20kWh
Operating Voltage Range	58V ~71V
Dimensions	492*232*937.5
Weight	140kg
IP Protection Rating	IP 20
Fire Protection	Aerosol
Discharging Temperature	-30~55°C
Charging Temperature	0~55°C
Operating Humidity	5%-90%RH
System Specification	
Assembly	6S1P
Nominal Capacity	314Ah
Rated Voltage	120.58kWh
Rated energy	384V
Nominal Charge Current	157A
Maximum Charge Current	167A
Nominal Discharge Current	157A
Maximum Discharge Current	167A
Maximum Charge Voltage	426V
Cut-off Voltage	348V
Storage Temperature Range	a year 0~35°C, three months 0~35°C, one months -20~45°C
Nominal mass (kg)	946
Battery Module Dimension (W* H*D)	1870*970*566±5mm
Recommended Charge Type	Constant power charge
Protection Class	IP 20
Cooling Method	Air Conditional
Certifications	CE,IEC62619



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C&I ESS SERIES (RPCI-448V/314Ah) ENERGY STORAGE SYSTEM

Economical and Efficient

- RTE over 90%, DOD over 95%.

Safe and Reliable

- IP54, optimized ventilation design, temperature difference within 6°C.

Compact & Convenien

- 1m² footprint, easy to transport and install

Expandable & Modular

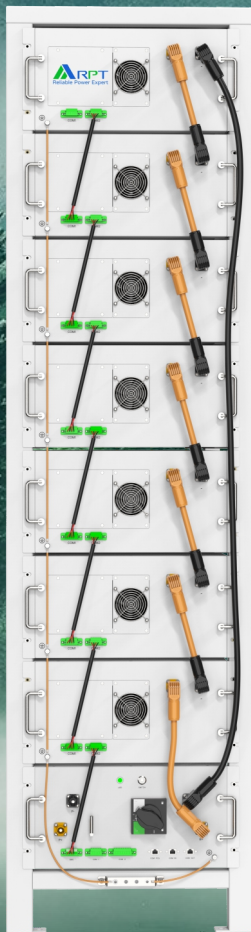
- Easy modular design supports parallel connection for convenient system expansion.

Self-developed

- PACK, BMS and EMS are all independently developed with good compatibility.

Easy O&M

- Support multiple ways of operation and maintenance, including onsite, cloud.



300mA Passive Balancing Technology

Built-in cell balancing circuit improves monomer consistency and effectively extends the overall cycle life of the battery pack.



Flexible Parallel Expansion

Supports up to 8 clusters in parallel (6 clusters recommended), supports offline control.



Full Protocol Custom Adaptation

Equipped with RS485/CAN/LAN/dry contact interfaces, and can be connected to energy storage and UPS equipment of different brands as required.



3-Level Intelligent BMS Management

Adopts BMU+RBMS+SBMS three-tier architecture.



Large-Capacity Data Traceability

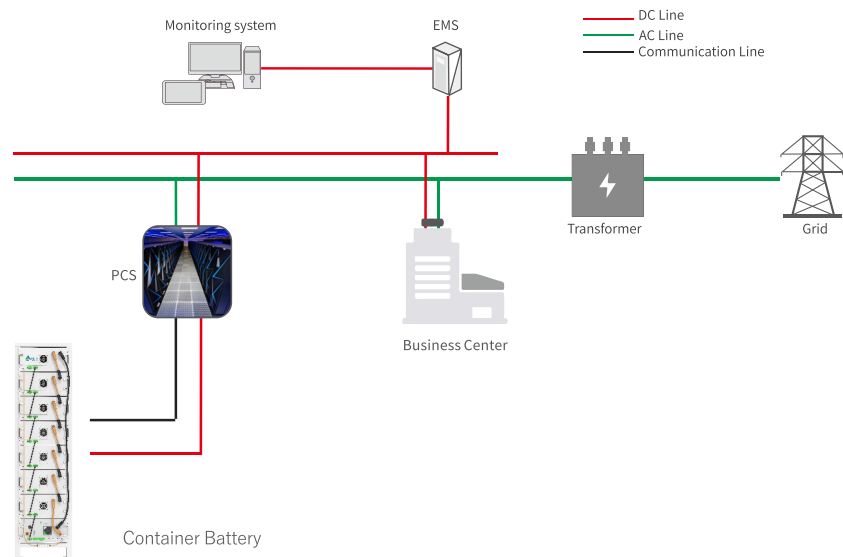
Built-in high-capacity memory chip stores key operation data.

Battery Module Specification

Cell	LFP64V 314Ah
Assembly	1P20S
Rated Voltage	64V
Rated Energy	20kWh
Operating Voltage Range	58V ~71V
Dimensions	492*232*937.5
Weight	140kg
IP Protection Rating	IP 20
Fire Protection	Aerosol
Discharging Temperature	-30~55°C
Charging Temperature	0~55°C
Operating Humidity	5%-90%RH

System Specification

Assembly	7S1P
Nominal Capacity	314Ah
Rated Voltage	140.67kWh
Rated energy	448V
Nominal Charge Current	157A
Maximum Charge Current	167A
Nominal Discharge Current	157A
Maximum Discharge Current	167A
Maximum Charge Voltage	497V
Cut-off Voltage	406V
Storage Temperature Range	a year 0~35°C, three months 0~35°C, one months -20~45°C
Nominal mass (kg)	1090
Battery Module Dimension (W* H*D)	2110*970*566±5mm
Recommended Charge Type	Constant power charge
Protection Class	IP 20
Cooling Method	Air Conditional
Certifications	CE,IEC62619



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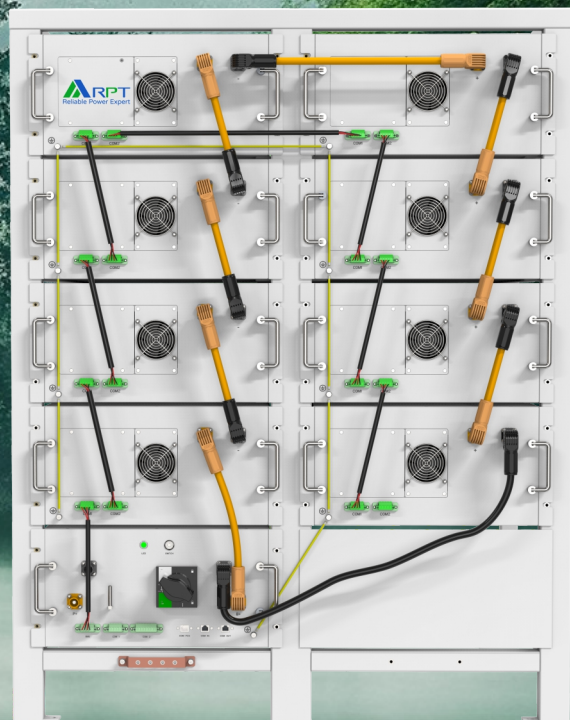
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C&I ESS SERIES (RPCI-512V/314Ah)

ENERGY STORAGE SYSTEM

- Economical and Efficient**
 - RTE over 90%, DOD over 95%.
- Safe and Reliable**
 - IP54, optimized ventilation design, temperature difference within 6°C.
- Compact & Convenien**
 - 1m² footprint, easy to transport and install
- Expandable & Modular**
 - Easy modular design supports parallel connection for convenient system expansion.
- Self-developed**
 - PACK, BMS and EMS are all independently developed with good compatibility.
- Easy O&M**
 - Support multiple ways of operation and maintenance, including onsite, cloud.



300mA Passive Balancing Technology
Built-in cell balancing circuit improves monomer consistency and effectively extends the overall cycle life of the battery pack.

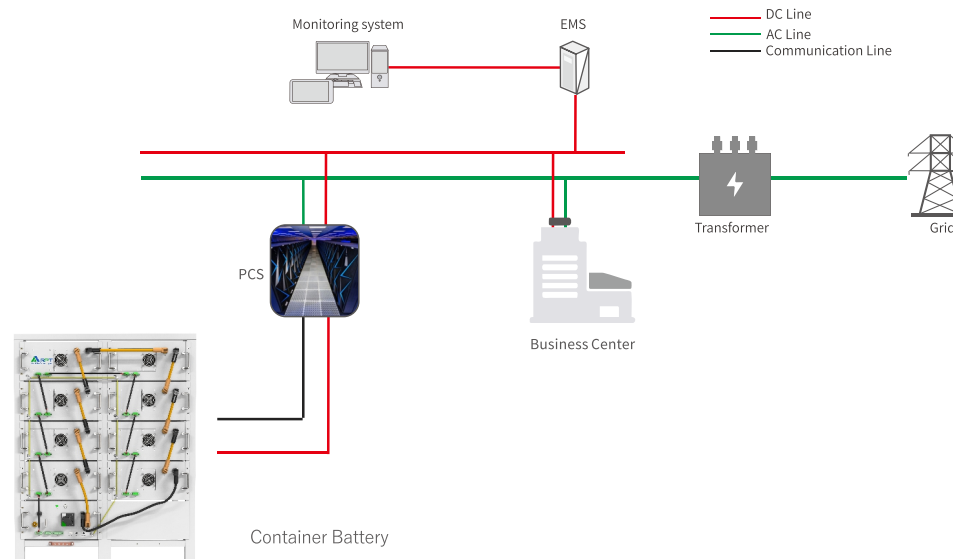
Flexible Parallel Expansion
Supports up to 8 clusters in parallel (6 clusters recommended), supports offline control.

Full Protocol Custom Adaptation
Equipped with RS485/CAN/LAN/dry contact interfaces, and can be connected to energy storage and UPS equipment of different brands as required.

3-Level Intelligent BMS Management
Adopts BMU+RBMS+SBMS three-tier architecture.

Large-Capacity Data Traceability
Built-in high-capacity memory chip stores key operation data.

Battery Module Specification	
Cell	LFP64V 314Ah
Assembly	1P20S
Rated Voltage	64V
Rated Energy	20kWh
Operating Voltage Range	58V ~71V
Dimensions	492*232*937.5
Weight	140kg
IP Protection Rating	IP 20
Fire Protection	Aerosol
Discharging Temperature	-30~55°C
Charging Temperature	0~55°C
Operating Humidity	5%-90%RH
System Specification	
Assembly	8S1P
Nominal Capacity	314Ah
Rated Voltage	160.77kWh
Rated energy	512V
Nominal Charge Current	157A
Maximum Charge Current	167A
Nominal Discharge Current	157A
Maximum Discharge Current	167A
Maximum Charge Voltage	568V
Cut-off Voltage	464V
Storage Temperature Range	a year 0~35°C, three months 0~35°C, one months -20~45°C
Nominal mass (kg)	1238
Battery Module Dimension (W* H*D)	1390*970*1100±5mm
Recommended Charge Type	Constant power charge
Protection Class	IP 20
Cooling Method	Air Conditional
Certifications	CE,IEC62619



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C&I ESS SERIES (RPCI-576V/314Ah) ENERGY STORAGE SYSTEM

- Economical and Efficient**
 - RTE over 90%, DOD over 95%.
- Safe and Reliable**
 - IP54, optimized ventilation design, temperature difference within 6°C.
- Compact & Convenien**
 - 1m² footprint, easy to transport and install
- Expandable & Modular**
 - Easy modular design supports parallel connection for convenient system expansion.
- Self-developed**
 - PACK, BMS and EMS are all independently developed with good compatibility.
- Easy O&M**
 - Support multiple ways of operation and maintenance, including onsite, cloud.



300mA Passive Balancing Technology
Built-in cell balancing circuit improves monomer consistency and effectively extends the overall cycle life of the battery pack.



Flexible Parallel Expansion
Supports up to 8 clusters in parallel (6 clusters recommended), supports offline control.



Full Protocol Custom Adaptation
Equipped with RS485/CAN/LAN/dry contact interfaces, and can be connected to energy storage and UPS equipment of different brands as required.

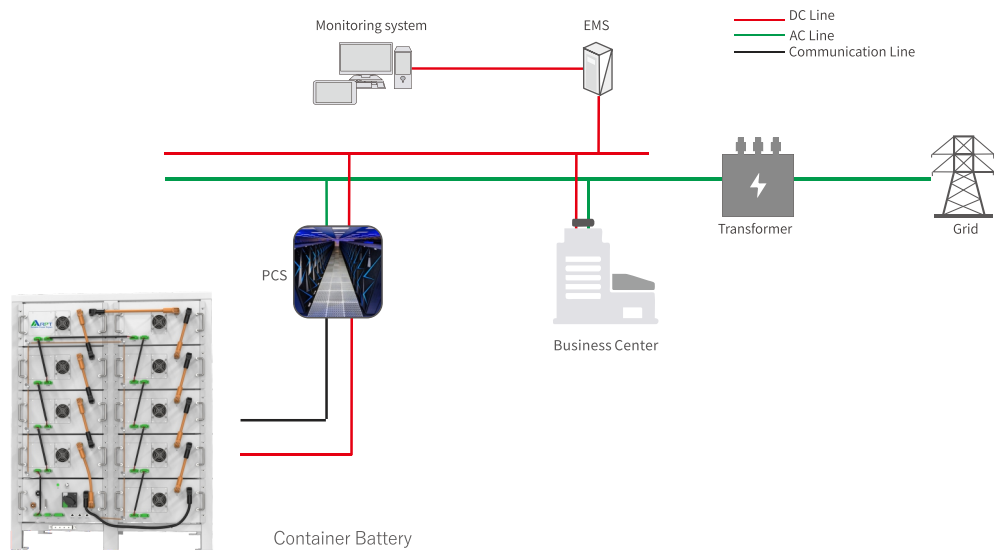


3-Level Intelligent BMS Management
Adopts BMU+RBMS+SBMS three-tier architecture.



Large-Capacity Data Traceability
Built-in high-capacity memory chip stores key operation data.

Battery Module Specification	
Cell	LFP64V 314Ah
Assembly	1P20S
Rated Voltage	64V
Rated Energy	20kWh
Operating Voltage Range	58V ~71V
Dimensions	492*232*937.5
Weight	140kg
IP Protection Rating	IP 20
Fire Protection	Aerosol
Discharging Temperature	-30~55°C
Charging Temperature	0~55°C
Operating Humidity	5%-90%RH
System Specification	
Assembly	9S1P
Nominal Capacity	314Ah
Rated Voltage	180.86kWh
Rated energy	576V
Nominal Charge Current	157A
Maximum Charge Current	167A
Nominal Discharge Current	157A
Maximum Discharge Current	167A
Maximum Charge Voltage	639V
Cut-off Voltage	522V
Storage Temperature Range	a year 0~35°C, three months 0~35°C, one months -20~45°C
Nominal mass (kg)	1378
Battery Module Dimension (W* H*D)	1390*970*1100±5mm
Recommended Charge Type	Constant power charge
Protection Class	IP 20
Cooling Method	Air Conditional
Certifications	CE,IEC62619



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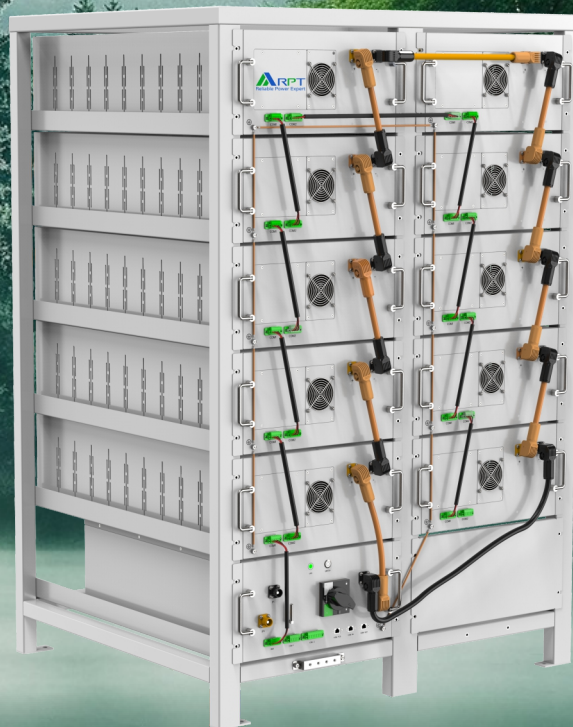
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C&I ESS SERIES (RPCI-640V/314Ah) ENERGY STORAGE SYSTEM

- Economical and Efficient**
 - RTE over 90%, DOD over 95%.
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 - IP54, optimized ventilation design, temperature difference within 6°C.
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3-Level Intelligent BMS Management
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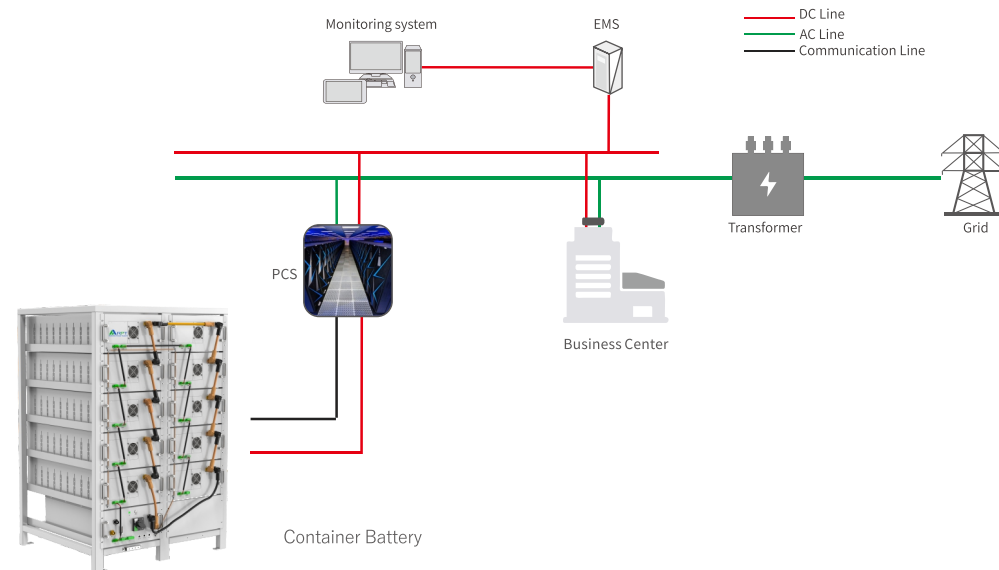
Large-Capacity Data Traceability
Built-in high-capacity memory chip stores key operation data.

Battery Module Specification

Cell	LFP64V 314Ah
Assembly	1P20S
Rated Voltage	64V
Rated Energy	20kWh
Operating Voltage Range	58V ~71V
Dimensions	492*232*937.5
Weight	140kg
IP Protection Rating	IP 20
Fire Protection	Aerosol
Discharging Temperature	-30~55°C
Charging Temperature	0~55°C
Operating Humidity	5%-90%RH

System Specification

Assembly	10S1P
Nominal Capacity	314Ah
Rated Voltage	200.9kWh
Rated energy	640V
Nominal Charge Current	157A
Maximum Charge Current	167A
Nominal Discharge Current	157A
Maximum Discharge Current	167A
Maximum Charge Voltage	710V
Cut-off Voltage	580V
Storage Temperature Range	a year 0~35°C, three months 0~35°C, one months -20~45°C
Nominal mass (kg)	1530
Battery Module Dimension (W* H*D)	1630*970*1100±5mm
Recommended Charge Type	Constant power charge
Protection Class	IP 20
Cooling Method	Air Conditional
Certifications	CE,IEC62619



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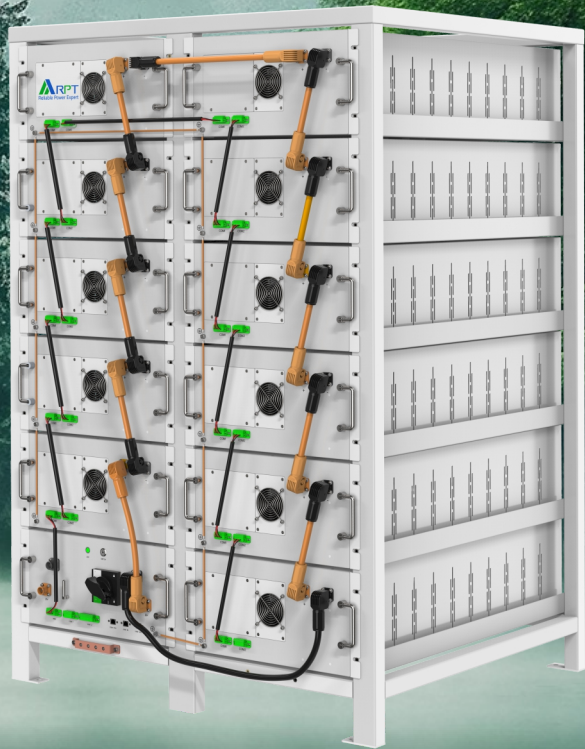
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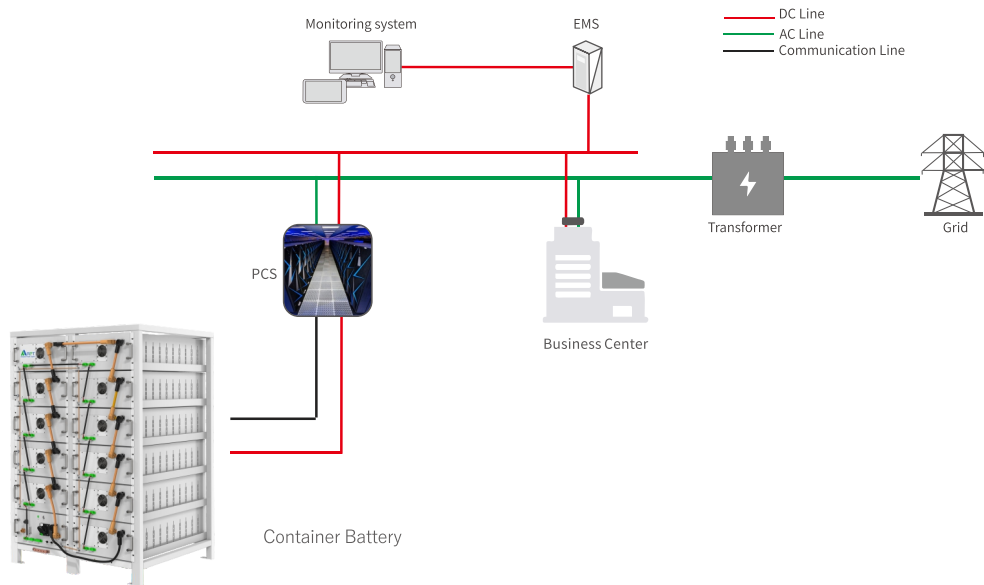
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Full Protocol Custom Adaptation
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3-Level Intelligent BMS Management
Adopts BMU+RBMS+SBMS three-tier architecture.

Large-Capacity Data Traceability
Built-in high-capacity memory chip stores key operation data.

Battery Module Specification	
Cell	LFP64V 314Ah
Assembly	1P20S
Rated Voltage	64V
Rated Energy	20kWh
Operating Voltage Range	58V ~71V
Dimensions	492*232*937.5
Weight	140kg
IP Protection Rating	IP 20
Fire Protection	Aerosol
Discharging Temperature	-30~55°C
Charging Temperature	0~55°C
Operating Humidity	5%-90%RH
System Specification	
Assembly	11S1P
Nominal Capacity	314Ah
Rated Voltage	221.05kWh
Rated energy	704V
Nominal Charge Current	157A
Maximum Charge Current	167A
Nominal Discharge Current	157A
Maximum Discharge Current	167A
Maximum Charge Voltage	426V
Cut-off Voltage	348V
Storage Temperature Range	a year 0~35°C, three months 0~35°C, one months -20~45°C
Nominal mass (kg)	1670
Battery Module Dimension (W* H*D)	1630*970*1100±5mm
Recommended Charge Type	Constant power charge
Protection Class	IP 20
Cooling Method	Air Conditional
Certifications	CE,IEC62619



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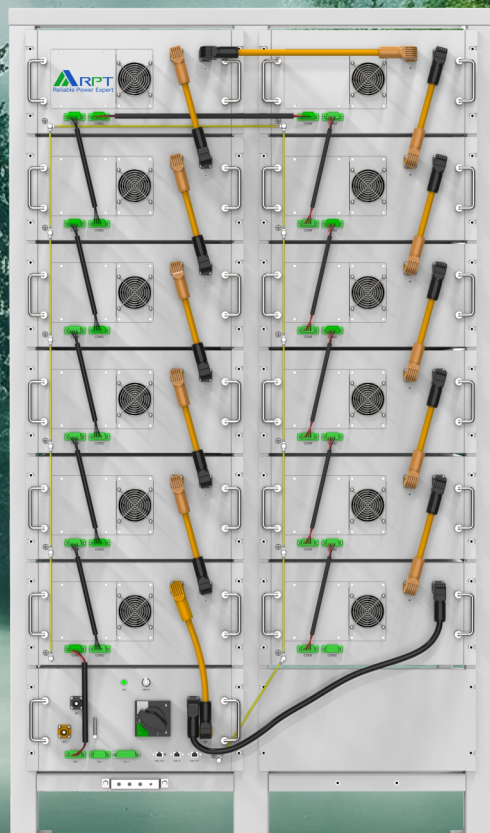
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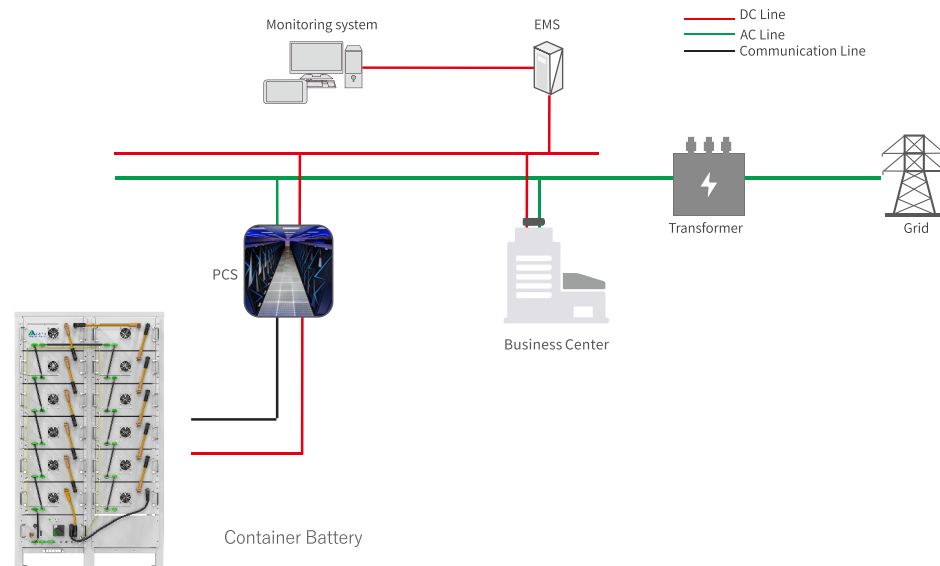
Large-Capacity Data Traceability
Built-in high-capacity memory chip stores key operation data.

Battery Module Specification

Cell	LFP64V 314Ah
Assembly	1P20S
Rated Voltage	64V
Rated Energy	20kWh
Operating Voltage Range	58V ~71V
Dimensions	492*232*937.5
Weight	140kg
IP Protection Rating	IP 20
Fire Protection	Aerosol
Discharging Temperature	-30~55°C
Charging Temperature	0~55°C
Operating Humidity	5%-90%RH

System Specification

Assembly	12S1P
Nominal Capacity	314Ah
Rated Voltage	241.15kWh
Rated energy	768V
Nominal Charge Current	157A
Maximum Charge Current	167A
Nominal Discharge Current	157A
Maximum Discharge Current	167A
Maximum Charge Voltage	852V
Cut-off Voltage	696V
Storage Temperature Range	a year 0~35°C, three months 0~35°C, one months -20~45°C
Nominal mass (kg)	1822
Battery Module Dimension (W*H*D)	1870*950*1100±5mm
Recommended Charge Type	Constant power charge
Protection Class	IP 20
Cooling Method	Air Conditional
Certifications	CE,IEC62619



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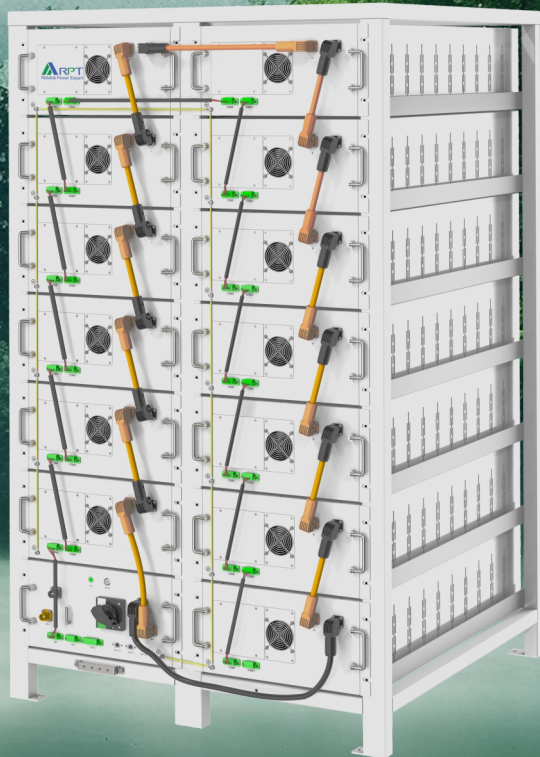
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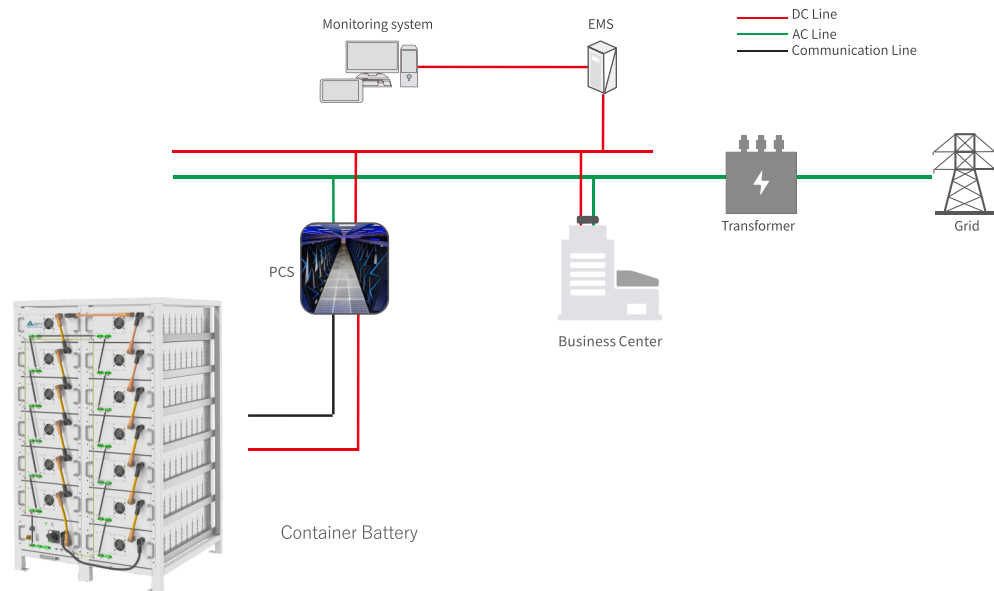
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Full Protocol Custom Adaptation
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3-Level Intelligent BMS Management
Adopts BMU+RBMS+SBMS three-tier architecture.

Large-Capacity Data Traceability
Built-in high-capacity memory chip stores key operation data.

Battery Module Specification	
Cell	LFP64V 314Ah
Assembly	1P20S
Rated Voltage	64V
Rated Energy	20kWh
Operating Voltage Range	58V ~71V
Dimensions	492*232*937.5
Weight	140kg
IP Protection Rating	IP 20
Fire Protection	Aerosol
Discharging Temperature	-30~55°C
Charging Temperature	0~55°C
Operating Humidity	5%-90%RH
System Specification	
Assembly	13S1P
Nominal Capacity	314Ah
Rated Voltage	261.25kWh
Rated energy	832V
Nominal Charge Current	157A
Maximum Charge Current	167A
Nominal Discharge Current	157A
Maximum Discharge Current	167A
Maximum Charge Voltage	923V
Cut-off Voltage	754V
Storage Temperature Range	a year 0~35°C, three months 0~35°C, one months -20~45°C
Nominal mass (kg)	1962
Battery Module Dimension (W* H*D)	1870*970*1100±5mm
Recommended Charge Type	Constant power charge
Protection Class	IP 20
Cooling Method	Air Conditional
Certifications	CE,IEC62619



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