

For A Better World

Smart Energy Storage System



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5 Years
Established in 2018



1 GW
Cumulative installed
capacity



10
Joint Venture Energy
companies



200%
Annual revenue growth

| Company Profile

Established in 2018, Quantex Power Energy Company (QPE) is a wholly-owned subsidiary invested by Quantex Global Group.

Relying on the world's leading PV parts and energy storage system, QPE provides the sales, construction, management and investment of these clean energy including gas, PV and energy storage systems through professional technology platform. We are committed to providing comprehensive, efficient and professional integrated energy solutions based on new energy, clean energy and distributed energy. Based on the principle of "Customer first", QPE provides diversified business models to meet the differentiated needs of customers in a flexible and changeable models.

Our main business includes PV products sales and solutions, Micro-grid energy storage system and power energy solutions etc.

QPEC has set up energy centers in China and is exploring the business in overseas markets. We will set up distribution offices across the world to sell QPE products. Adhering to the "Value products, Value services" concept, QPE would provide world-class excellent quality for global customers.

Global Market Blueprint



Smart Energy Solution |



PV



Energy Storage



Backup Power



Smart Control system

Smart Energy Storage Solutions |



Highly Integration

- Integrated Battery, PCS, and other components, delivered as a whole unit
- "All in one" design, easy for transportation, installation and operation

Economic and Efficient

- Precise control, to extend the battery operation life cycle
- Up to 95% battery cycle efficiency, 99% PCS efficiency, improve system cycle efficiency.

Safe and Reliable

- On-line monitoring, interlock and protection design
- Smart fire protection system, automatic detecting, logic control and fast response to fire fighting.

Wisdom and Friendly

- Integrated control and monitoring system, simple interface
- Support H/LVRT, VAR compensator, improve stability of grid

Residential 10.7 kWh ~ 31 kWh



Safe



Easy installation



Fast response



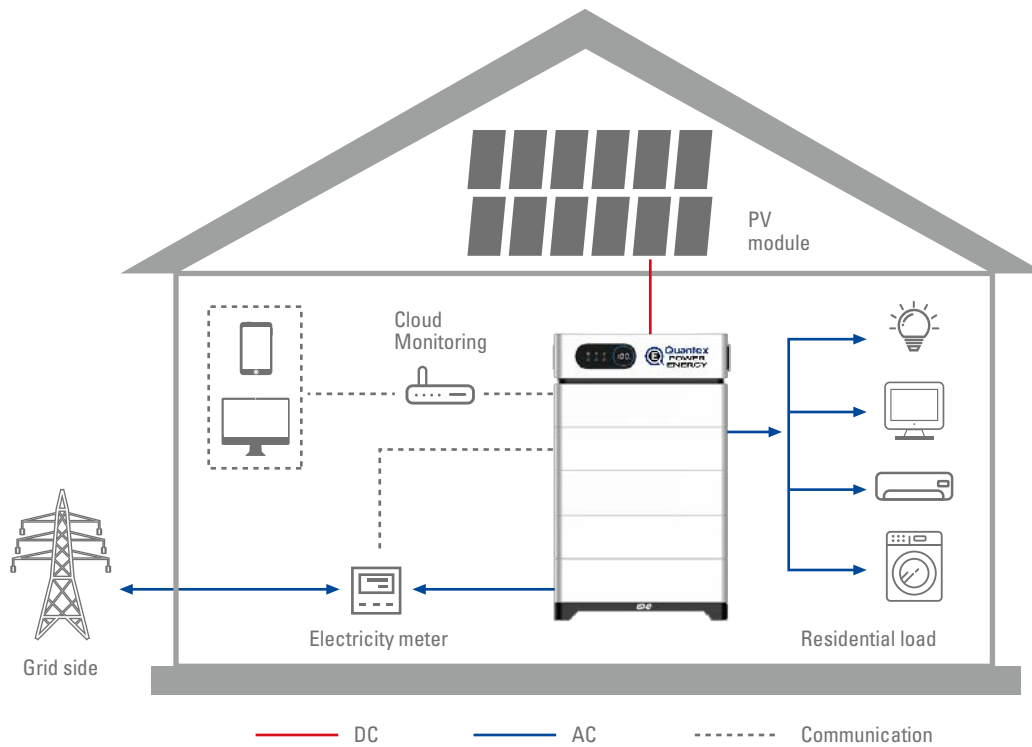
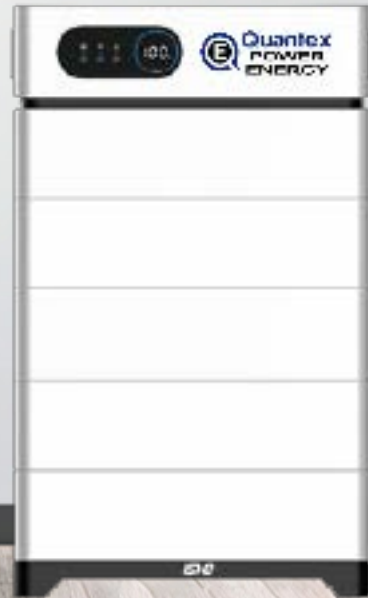
High Efficiency



UPS



Easy to Transport



QT-RS Series

Residential Energy Storage System



Quantex Power Energy Residential energy storage system (QT-RS Series) is a consolidated unit integrated with battery and inverter. Combined with PV or diesel power, this system is dedicated to provide a complete solution for residential application. User-friendly, multi-working modes, smart control and exible adjustment, managing the charging and discharging of electricity.

Reduce electricity cost through “peak-cutting and lling valley”. Applicable to residential, public facility, small factories etc.

Specification

| Model | RS-LV10 | RS-LV15 | RS-LV20 | RS-LV25 | RS-HV20 | RS-HV25 | RS-HV30 |
|------------------------|------------|------------|--------------|--------------|------------|--------------|--------------|
| Maximum Capacity (kWh) | 10.7 | 14.3 | 21.5 | 25.48 | 20.48 | 25.6 | 30.72 |
| DC Output (Vdc) | 51.2 | 51.2 | 51.2 | 51.2 | 204.8 | 256 | 307.2 |
| Battery Type | LFP | LFP | LFP | LFP | LFP | LFP | LFP |
| Battery Packs | 3 | 4 | 6 | 7 | 4 | 5 | 6 |
| Operating Temp (°C) | 0~50 | 0~50 | 0~50 | 0~50 | 0~50 | 0~50 | 0~50 |
| IP Class | IP54 | IP54 | IP54 | IP54 | IP54 | IP54 | IP54 |
| Length mm (in) | 570 (22.4) | 570 (22.4) | 570 (22.4) | 570 (22.4) | 590 (23.2) | 590 (23.2) | 590 (23.2) |
| Width mm (in) | 352 (13.8) | 352 (13.8) | 352 (13.8) | 352 (13.8) | 363 (14.3) | 363 (14.3) | 363 (14.3) |
| Height mm (in) | 693 (27.2) | 849 (33.4) | 1,005 (39.5) | 1,317 (51.8) | 923 (36.3) | 1,093 (40.1) | 1,263 (49.7) |
| Weight kg (lbs) | 130 (286) | 166 (365) | 239 (526) | 275 (605) | 201 (443) | 246 (542) | 291 (641) |

QT-RES Series – Feature



- Highly Integrated: easy for installation and operation
- Stackable modular design: flexible allocation, indoor/outdoor installation.
- Furniture design: elegant appearance design, shows your elegant life style
- Expandable: support multi-units in parallel
- Compatible: compatible with different PV system
- Cost-effective: with PV DC port, save the PV inverter
- Fast response: seamless switch between grid-on/off



QT-RES Series

Residential Energy Storage System



Quantex Power Energy Residential energy storage system (QT-RES Series) is a consolidated unit integrated with battery and inverter. Combined with PV or diesel power, this system is dedicated to provide a complete solution for residential application. User-friendly, multi-working modes, smart control and exible adjustment, managing the charging and discharging of electricity.

Reduce electricity cost through “peak-cutting and lling valley”. Applicable to residential, public facility, small factories etc.

Specification:

| Model | RES-10S | RES-15S | RES-20S | RES-25S | RES-20P | RES-25P |
|------------------------------|--------------|--------------|--------------|--------------|--------------|-------------|
| Maximum Capacity (kWh) | 10.24 | 15.36 | 20.48 | 25.6 | 20.48 | 25.6 |
| Maximum Power (kW) | 5 | 5 | 5 | 5 | 10 | 10 |
| Battery Type | LFP | LFP | LFP | LFP | LFP | LFP |
| Battery Packs | 2 | 3 | 4 | 5 | 4 | 5 |
| Output AC Voltage (V) | 220~240 | 220~240 | 220~240 | 220~240 | 360~440 | 360~440 |
| Output Frequency (Hz) | 50/60 | 50/60 | 50/60 | 50/60 | 50/60 | 50/60 |
| Operating Temperature (°C) | -15~55 | -15~55 | -15~55 | -15~55 | -15~55 | -15~55 |
| IP Class | IP54 | IP54 | IP54 | IP54 | IP20 | IP20 |
| Maximum PV Input Voltage (V) | 145 | 145 | 145 | 145 | 1000 | 1000 |
| Maximum PV Input Power (kW) | 4 | 4 | 4 | 4 | 13 | 13 |
| Length mm (in) | 600 (23.6) | 600 (23.6) | 600 (23.6) | 600 (23.6) | 600 (23.6) | 600 (23.6) |
| Width mm (in) | 420 (16.5) | 420 (16.5) | 420 (16.5) | 420 (16.5) | 420 (16.5) | 420 (16.5) |
| Height mm (in) | 1,130 (44.5) | 1,330 (52.4) | 1,530 (60.3) | 1,730 (68.2) | 1,530 (60.3) | 1730 (68.2) |
| Weight kg (lbs) | 164 (361) | 218 (480) | 272 (598) | 326 (717) | 299 (658) | 353 (777) |

Commercial 50 kWh ~ 400 kWh



Safe



Compact space



Fast response



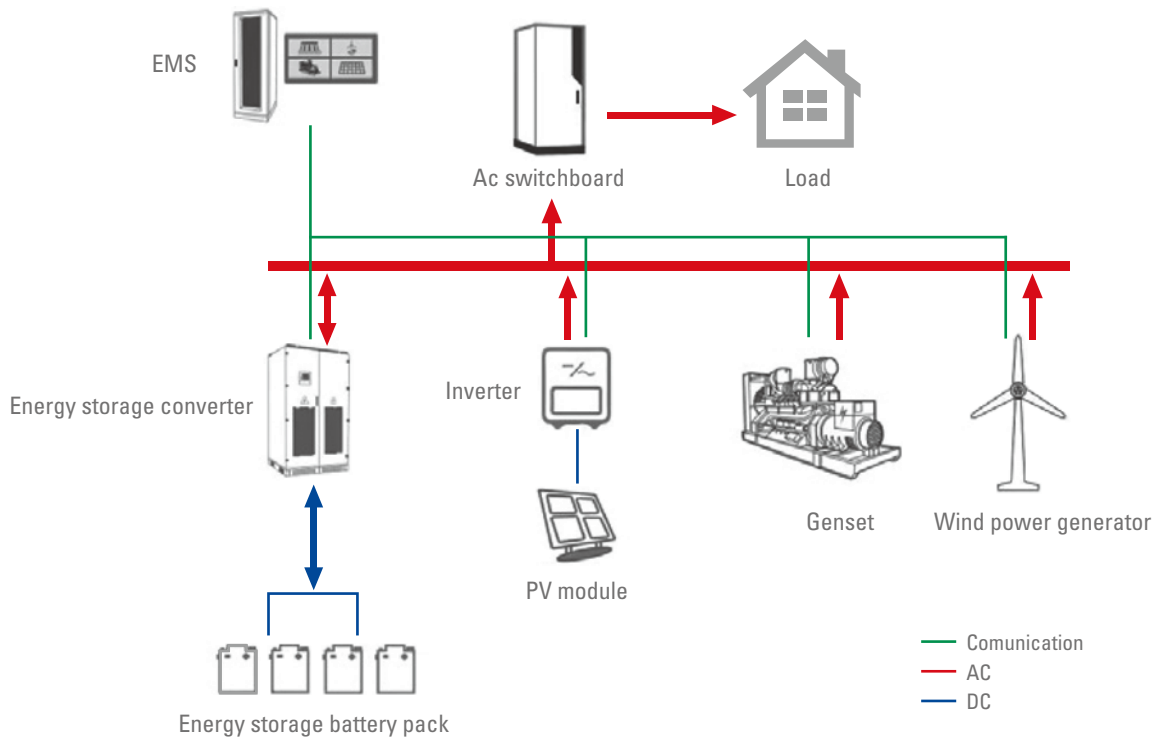
Modular



Easy O&M



Customization





QT-CES Series

Commercial Energy Storage System

Quantex Power Energy Commercial energy storage system (QT-CES Series) is a modular, extendable & rapidly deployable energy system.

The system can be combined with renewable energy or surplus electricity, to storage the energy of over-production, and then supply energy when main energy supply is in shortage.

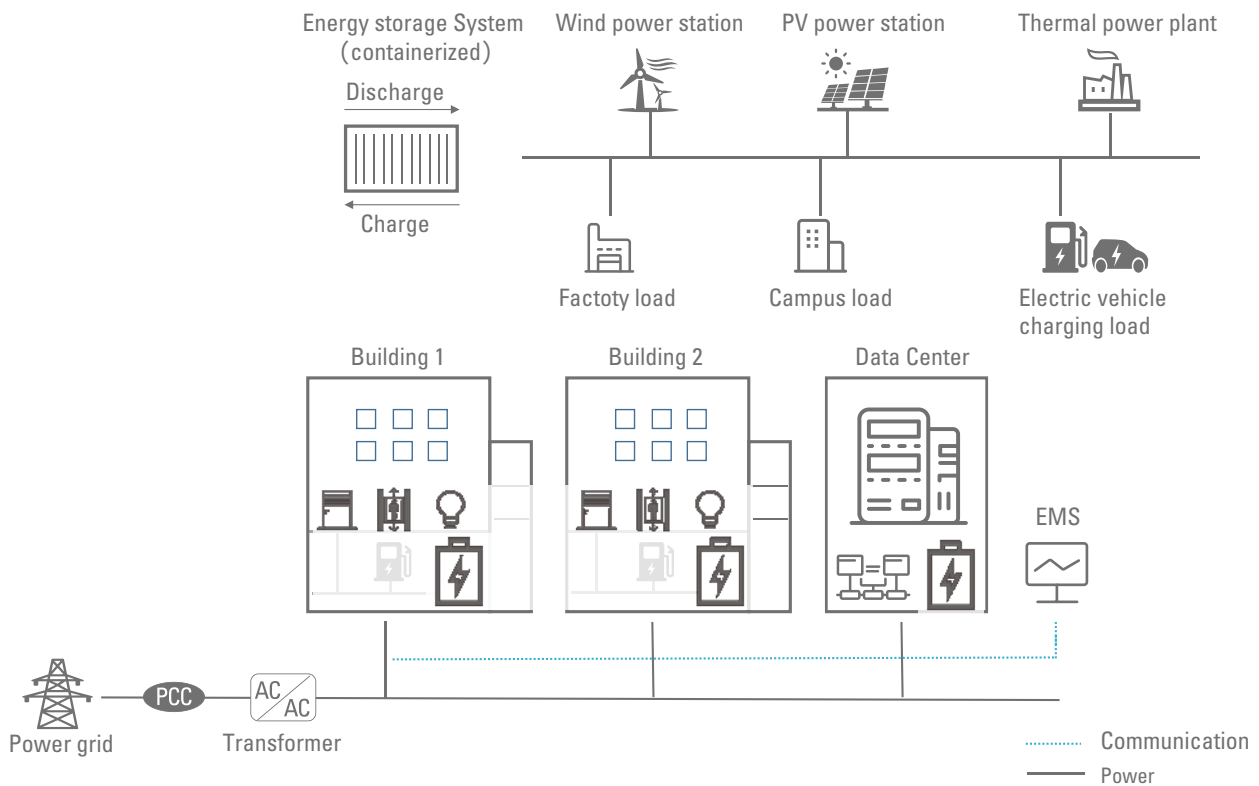
The system can be standby power when the main power is shut off, and reduce electricity cost through “peak-cut-ting and filling valley”.



Specification

| Model | CES100 | CES200 (CES100*2) | CES200L | CES400L (CES200L*2) |
|-------------------------|---------------|-------------------|---------------|---------------------|
| Maximum Capacity (kWh) | 100 | 200 | 232 | 464 |
| Maximum Continuous (kW) | 50 | 100 | 100 | 200 |
| Discharging Hours | 2/3 | 2/3 | 2/3 | 2/3 |
| Battery Type | LFP | LFP | LFP | LFP |
| Application Type | High Energy | High Energy | High Energy | High Energy |
| Voltage Output (V) | 380-400 | 380-400 | 380-400 | 380-400 |
| Frequency Output (Hz) | 50/60 | 50/60 | 50/60 | 50/60 |
| Cooling Method | Air | Air | Liquid | Liquid |
| Working Temp (°C) | 0-50 | 0-50 | 0-50 | 0-50 |
| IP Class | IP54 | IP54 | IP54 | IP54 |
| A - Length m (ft) | 1.27 (4.18) | 2.54 (8.36) | 1.4 (4.6) | 2.8 (9.2) |
| B - Width m (ft) | 1.19 (3.9) | 1.19 (3.9) | 1.3 (4.3) | 1.3 (4.3) |
| C - Height m (ft) | 2.2 (7.2) | 2.2 (7.2) | 2.2 (7.2) | 2.2 (7.2) |
| Weight kg (lbs) | 1,700 (3,748) | 3,400 (7,496) | 2,500 (5,511) | 5,000 (11,022) |

Industrial 500 kWh—5000 kWh



QT-IES Series

Industrial Energy Storage System



Quantex Power Energy Industrial energy storage system (QR-IES Series) is a robust, scalable energy storage system, extendable & fast-constructed.

The system can be “Peak cutting and filling valley” in daily load demand, saving electricity expense. The system can be combined with renewable energy (like PV and wind) or surplus electricity, to storage the energy of over-production, and then supply energy when main energy supply is in shortage. The system can be standby power supply when the main power is shut off.

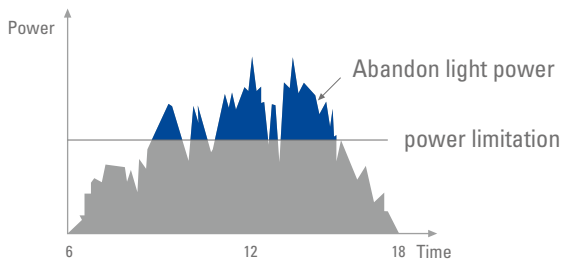
The system protects against many typical power problems, including power failure, voltage sags/surges, and under/over voltage conditions.



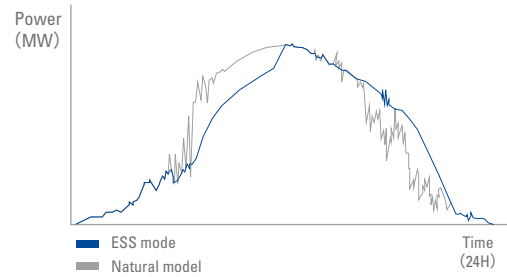
Specification

| Model | IES 500 | IES 1000 | IES 2000 | IES 3000L | IES 5000L |
|-------------------------|-----------------|-----------------|-----------------|-----------------|------------------|
| Maximum Capacity (kWh) | 564/853 | 1,066/1,705 | 2,150 | 3,350 | 5,218 |
| Maximum Continuous (kW) | 250 | 500 | 630/1,000 | 1,500 | 2,500 |
| Discharging Hours | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 |
| Battery Type | LFP | LFP | LFP | LFP | LFP |
| Application Type | High Energy | High Energy | High Energy | High Energy | High Energy |
| Voltage Output (V) | 380-400 | 380-400 | 380-400 | 10k | 10k and above |
| Frequency Output (Hz) | 50/60 | 50/60 | 50/60 | 50/60 | 50/60 |
| Cooling Method | Air | Air | Air | Liquid | Liquid |
| Working Temp (°C) | 0-50 | 0-50 | 0-50 | 0-50 | 0-50 |
| IP Class | IP54 | IP54 | IP54 | IP54 | IP54 |
| Noise Level (dB) | <75 | <75 | <75 | <75 | <75 |
| A - Length m (ft) | 6.1 (20) | 7.6 (25) | 12.2 (40) | 6.1 (20) | 12.2 (40) |
| B - Width m (ft) | 2.4 (8) | 2.4 (8) | 2.4 (8) | 2.8 (9.5) | 2.8 (9.5) |
| C - Height m (ft) | 2.8 (9.5) | 2.8 (9.5) | 2.8 (9.5) | 2.8 (9.5) | 2.8 (9.5) |
| Weight kg (lbs) | 18,000 (39,600) | 22,000 (48,400) | 29,000 (63,800) | 34,000 (75,000) | 65,000 (143,000) |

Side shift peak of power generation (wind and light abandonment)



Smoothing power fluctuation



Benefits

1. Solve the problem of abandoning wind and light, effectively improve energy utilization rate.
2. Reduce the influence of climate factor on the output power, smooth the power fluctuation.
3. Improve power system stability and flexibility through "peak shaving and valley filling", "frequency and voltage regulation" etc.

