

## LIQUID COOLING

# DISTRIBUTED BATTERY STORAGE OUTDOOR CABINET



### Safe and reliable

- 3 levels / 20 fault strategies links with high-voltage protection
- Heat spread suppression technology is adopted for non igniting battery packs
- Pack Level Fire fighting technology for safer operation

### Intelligent & friendly

- Online intelligent monitoring supports full temperature acquisition
- High-precision SOC equalization
- Cloud technology enables remote maintenance and monitoring

### Efficient and flexible

- Modular design supports parallel connection and flexible capacity expansion for customer customization needs
- Plug-and-play integrated design saves on-site installation and commissioning costs
- Intelligent liquid cooling design improves system efficiency and battery cycle life



## System parameters

Product model	ES-BP-1-416-372000-Y-C
Cell capacity	3.2V/280Ah
Rated energy capacity	372.736 kWh
Rated voltage	1331.2V
Operating voltage range	1123.2~1497.6V
Rated DC current	140A
Weight	3.5T
Cooling type	Intelligent liquid cooling
Fire fighting system	Aerosol FFS/Perfluorohexadone FFS (optional)
Degree of protection	IP55/IP56 (optional)
Corrosion protection grade	C3/C4 (optional)
Operating temperature range	-30~45°C
Operating humidity range	0-95% (no condensation)
Dimensions (W*H*D)	1300*1350*2400mm
Max. altitude	3000m
Communication protocol	Modbus-TCP
Communication interface	RS485/Ethernet/CAN

The specifications are subject to change without further notice.

## IEC Certifications

**Attestation of Conformity**  
No. EBA 122015 0001 Rev. 00

**Holder of Attestation:** REsource Electric Tianjin Ltd.  
No. 100, Hang Tian Road  
Tianjin Pilot Free Trade Zone  
(Airport Economic Zone)  
300308 Tianjin  
PEOPLE'S REPUBLIC OF CHINA

**Name of Object:** Batteries  
Rechargeable Li-ion Battery System

**Model(s):** ES-BP-1-416-372000-Y-C

**Description of Object:** Nominal voltage: DC 1331.2V  
Nominal capacity: 280Ah

**Tested according to:** EN IEC 61068-2:2019  
EN IEC 61068-4:2019

This Attestation of Conformity is issued on a voluntary basis according to the Directive 2014/00/EU relating to electromagnetic compatibility. It confirms that the listed apparatus complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for conformity assessment. For details see: www.tuvsud.com/ps-cert

**Test report no.:** 4861922269300

**Date:** 2023-08-28

(Ming Gu)

CE

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This Attestation does not replace the regulatory EU Declaration of Conformity (DoC) and does not allow for CE marking. After preparation of the necessary documentation and establishing compliance to requirements of all applicable directives, the manufacturer may sign a DoC and apply the CE marking. The DoC is issued under the sole responsibility of the manufacturer.

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**CERTIFICATE**  
No. Z2 122015 0002 Rev. 00

**Holder of Certificate:** REsource Electric Tianjin Ltd.  
No. 100, Hang Tian Road  
Tianjin Pilot Free Trade Zone  
(Airport Economic Zone)  
300308 Tianjin  
PEOPLE'S REPUBLIC OF CHINA

**Certification Mark:**

**Product:** Batteries  
(Rechargeable Li-ion Battery System)

**Model(s):** ES-BP-1-416-372000-Y-C

**Parameters:** Nominal voltage: DC 1331.2V  
Rated capacity: 280Ah

**Tested according to:** IEC 62619:2022

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

**Test report no.:** 5061923013103-00  
**Valid until:** 2028-08-24

**Date:** 2023-08-28

(Buxiang Jiang)

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**CERTIFICATE**  
No. B 122015 0003 Rev. 00

**Holder of Certificate:** REsource Electric Tianjin Ltd.  
No. 100, Hang Tian Road  
Tianjin Pilot Free Trade Zone  
(Airport Economic Zone)  
300308 Tianjin  
PEOPLE'S REPUBLIC OF CHINA

**Certification Mark:**

**Product:** Batteries  
(Rechargeable Li-ion Battery System)

**Model(s):** ES-BP-1-416-372000-Y-C

**Parameters:** Nominal voltage: DC 1331.2V  
Rated capacity: 280Ah

**Tested according to:** IEC 63056:2020

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

**Test report no.:** 5061923013104-00  
**Valid until:** 2028-08-24

**Date:** 2023-08-28

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