



## Data Centre Solutions

## Energy Storage System Cooling 20.5kW (Indoor type)



20.5  
kW

### Description

This advanced climate control unit combines cutting-edge technology with a compact, all-in-one design for easy installation and efficient operation. Featuring an inverter compressor, EC fan, EEV, and PTC heater, it delivers precise temperature and humidity control. With a 7-inch intelligent touchscreen, flexible networking options, and robust protection features, it is ideal for environments requiring reliable and intelligent environmental management.

### Features

- All-in-One Design for simplified installation
- Equipped with Inverter Compressor, Electronic Expansion Valve (EEV), and EC Fan
- Includes PTC Heater and a Flexible Dehumidification Function
- 7-Inch Intelligent Touchscreen for intuitive control
- Supports RS485 and optional SNMP communication
- Group Control via CAN Communication
- Multi-Function Alarm Output with comprehensive protection features

### Application

- Energy storage
- Solar industry
- New Energy & Power industry

### Product Details

- 20.5kW(@ indoor 27°C/50%, outdoor 35°C)
- 380V±15%, 50/60Hz, 3phase
- Floor-standing or Wall-mounted
- Upflow air supply, Air volume: 5000m<sup>3</sup>/h
- Application Environment: -40°C~+50°C

| Type               | Model                          | Indoor 20.5kW                |
|--------------------|--------------------------------|------------------------------|
| Configuration      | Total cooling capacity (kW)    | 20.5                         |
|                    | Cooling way                    | Refrigeration/Constant temp. |
|                    | IP Grade                       | IP20                         |
|                    | Ton (USA)                      | 5.83                         |
|                    | Sensible Heat Ratio (W/W)      | 0.87                         |
|                    | EER (W/W)                      | 2.29                         |
|                    | Application                    | -40°C~+50°C                  |
|                    | Installation                   | Floor / Wall-mounted         |
| Heater             | Heating Capacity (kW)          | 9                            |
|                    | Current (A)                    | 13.6                         |
| Power Supply       | Max Input Power (kW)           | 10                           |
|                    | Rated Power (kW)               | 8.96                         |
|                    | Full Load Current (A)          | 18                           |
|                    | Rated Current (A)              | 14.95                        |
|                    | MCA (A)                        | 1.75                         |
|                    | MOP (A)                        | 18                           |
|                    | Power type                     | 380V 3PH-50Hz/60Hz           |
| Compressor         | Type                           | Inverter Rotor               |
|                    | Refrigerant                    | R410A                        |
|                    | COP (W/W)                      | 3.68                         |
|                    | Input Power (kW)               | 6.46                         |
| Evaporator Fan     | Input Current (A)              | 10.29                        |
|                    | Type                           | EC Centrifugal fan           |
|                    | Input Power (kW)               | 1.25                         |
|                    | Input Current (A)              | 2.33                         |
| Condenser Fan      | Air Volume (m <sup>3</sup> /h) | 6000                         |
|                    | Type                           | EC Centrifugal fan           |
|                    | Input Power (kW)               | 1.25                         |
|                    | Input Current (A)              | 2.33                         |
| Dimension & Weight | Air Volume (m <sup>3</sup> /h) | 6500                         |
|                    | Width (mm)                     | 800                          |
|                    | Depth (mm)                     | 650                          |
|                    | Height (mm)                    | 2100                         |
|                    | Weight (kg)                    | 234                          |

To place an order, use the contact details below.