



## Inbox Energy 215 Kwh Unit

### Cell Unit Parameters

| <b>Description</b>           | <b>Specifications</b> |
|------------------------------|-----------------------|
| Battery types and materials  | LiFePO4               |
| Rated voltage/capacity       | 3.2V 280Ah            |
| Single battery voltage range | 2.5V ~ 3.65V          |
| Single battery weight        | 5kg                   |
| Battery internal resistance  | <0.6mΩ                |
| Battery cell size            | 173×74×113mm (LxWxH)  |

### Battery module

|                              |                       |
|------------------------------|-----------------------|
| Rated voltage                | 64V                   |
| Rated capacity               | 280Ah                 |
| Battery pack voltage range   | 50V ~ 73V             |
| Total Energy                 | ~17.92KWh             |
| Combination                  | 1P20S                 |
| Operating temperature        | -20 ~ 45°C            |
| Standard charging current    | ≤140A                 |
| Standard discharging current | ≤140A                 |
| Battery module size          | 440×866×225mm (LxWxH) |
| Installation method          | Rack mounted          |
| Communication                | RS485/CAN/Ethernet    |

### Battery Cluster

| <b>Description</b>      | <b>Specifications</b> |
|-------------------------|-----------------------|
| Battery Voltage         | 384V                  |
| Battery Capacity        | 560AH                 |
| Battery Energy          | 215Kwh                |
| Battery module quantity | 12pcs                 |

## Hybrid Inverter with EMS

|   |                            |
|---|----------------------------|
| Rated Output Power                                    | 100KW                      |
| AC Voltage  | 220/380Vac ~ 230/400Vac    |
| AC Frequency  | 50HZ / 60HZ (Auto sensing) |
| AC Current  | 145A (72.5A * 2)           |
| Output THDI   | <3%                        |
| AC PF   | -1 ~ +1                    |
| Grid Connection Form                                  | 3L+N+PE                    |
| Max PV Input Power                                    | 130KW                      |
| Max PV Input Voltage                                  | 1000Vdc                    |
| PV Start-up Voltage                                   | 180Vdc                     |
| MPPT Voltage Range                                    | 150-850Vdc                 |
| No. of MPP Trackers/<br>No. of String Per MPP Tracker | (4/2+2+2+2) * 2            |

## Physical

|                        |                           |
|------------------------|---------------------------|
| A/C                    | Cooling 3KW   Heating 2KW |
| Fire Fighting Capacity | 160g / 1.6m <sup>3</sup>  |
| Enclosure              | IP65                      |
| Size                   | 2100*1600*2200mm          |
| Weight                 | ~3000kg                   |
| System Efficiency      | 98.50%                    |
| Noise Level            | <65dB                     |
| Altitude               | 3000m                     |
| Humidity Range         | 0-100%                    |



## Product Photos

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215 kWh Unit

2100\*1600\*2200mm



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