

**C&I ENERGY STORAGE**

# RISE 261H-XH

C&I storage system · 261 kWh · 4 models


**261** kWh

ENERGY CAPACITY

**832** V

NOMINAL VOLTAGE

**50 – 125** kW

RATED POWER

**IP55**

PROTECTION CLASS

| Parameter                            | Unit | RISE 261H-5H            | RISE 261H-4H | RISE 261H-3H | RISE 261H-2H |
|--------------------------------------|------|-------------------------|--------------|--------------|--------------|
| PV input                             |      |                         |              |              |              |
| Max. PV input power                  | W    | 100000                  | 126000       | 170000       | 250000       |
| Start-up voltage                     | V    | 195                     |              |              |              |
| Max. PV input voltage                | V    | 1100                    |              |              |              |
| Max. open-circuit voltage of PV      | V    | 1000                    |              |              |              |
| MPPT voltage range                   | V    | 180 – 1000              |              |              |              |
| Max. input current per MPPT          | A    | 42                      |              |              |              |
| Max. short-circuit current per MPPT  | A    | 50                      |              |              |              |
| PV strings per MPPT                  |      | 2                       |              |              |              |
| Number of MPPT trackers              |      | 10                      |              |              |              |
| DC/AC ratio                          |      | 2.0                     |              |              |              |
| AC output                            |      |                         |              |              |              |
| Rated output power                   | W    | 50000                   | 63000        | 85000        | 125000       |
| Max. apparent power                  | VA   | 55000                   | 69300        | 93500        | 137500       |
| Rated AC voltage                     | V    | 400                     |              |              |              |
| Phase                                |      | Three-phase             |              |              |              |
| Rated AC frequency                   | Hz   | 50/60                   |              |              |              |
| Max. AC output current               | A    | 83.3                    | 105          | 141.7        | 208.3        |
| Power factor                         |      | -1 to +1 (adjustable)   |              |              |              |
| Total harmonic distortion (THDi)     | %    | <3                      |              |              |              |
| Backup output power                  | W    | 50000                   | 63000        | 85000        | 125000       |
| Peak (surge) power                   | W    | 80000                   | 100800       | 136000       | 200000       |
| Generator input                      |      | Yes                     |              |              |              |
| Nominal AC voltage options and range |      | 380/400 V, -15% to +10% |              |              |              |

| Parameter                                      | Unit | RISE 261H-5H                                          | RISE 261H-4H | RISE 261H-3H | RISE 261H-2H |
|------------------------------------------------|------|-------------------------------------------------------|--------------|--------------|--------------|
| Nominal AC grid frequency range                | Hz   | 45-55 / 55-65                                         |              |              |              |
| AC grid connection type                        |      | 3P4W+PE                                               |              |              |              |
| Rated AC input power (grid)                    | kW   | 50                                                    | 63           | 85           | 125          |
| Max. AC input current                          | A    | 250                                                   |              |              |              |
| Max. AC apparent power (off-grid)              | kVA  | 55                                                    | 69.3         | 93.5         | 137.5        |
| Rated AC output voltage (off-grid)             |      | 220/230 V (L-N); 380/400 V (L-L)                      |              |              |              |
| Nominal AC output frequency (off-grid)         | Hz   | 50/60                                                 |              |              |              |
| Load connection type (off-grid)                |      | 3P4W+PE                                               |              |              |              |
| Max. output current (off-grid)                 | A    | 83.3                                                  | 105          | 141.7        | 208.3        |
| THDv (off-grid, linear load)                   | %    | <3                                                    |              |              |              |
| Load unbalance (off-grid)                      |      | 100% three-phase unbalanced                           |              |              |              |
| Overload capacity (off-grid)                   |      | <=110%: continuous; 160%: 10 s                        |              |              |              |
| On/off-grid transfer time                      | ms   | ≤10                                                   |              |              |              |
| GEN port rated voltage                         | V    | 380/400                                               |              |              |              |
| GEN port rated frequency                       | Hz   | 50/60                                                 |              |              |              |
| GEN port connection type                       |      | 3P4W+PE                                               |              |              |              |
| GEN port rated input power (GEN / AC coupling) | kW   | 50                                                    | 63           | 85           | 125          |
| GEN port rated input power (smart load)        | kW   | 50                                                    | 63           | 85           | 125          |
| Battery                                        |      |                                                       |              |              |              |
| Cell type                                      |      | LFP (3.2 V / 314 Ah)                                  |              |              |              |
| Nominal voltage                                | V    | 832                                                   |              |              |              |
| Operating voltage range                        | V    | 728 – 936                                             |              |              |              |
| Depth of discharge (DoD)                       | %    | 95                                                    |              |              |              |
| Max. expandable energy                         | Wh   | 2610000                                               |              |              |              |
| Battery module energy                          | kWh  | 52.24                                                 |              |              |              |
| Battery module configuration                   |      | 1P52S                                                 |              |              |              |
| Battery system configuration                   |      | 1P260S                                                |              |              |              |
| Charge/discharge rate                          |      | <=0.5P                                                |              |              |              |
| Max. cell temperature difference               | °C   | ≤2.5                                                  |              |              |              |
| General data                                   |      |                                                       |              |              |              |
| Dimensions (W x H x D)                         | mm   | 1400 × 2150 × 1300                                    |              |              |              |
| Weight                                         | kg   | 2600                                                  |              |              |              |
| Ingress protection (IP rating)                 |      | IP55                                                  |              |              |              |
| Operating temperature range                    | °C   | -25 – 55                                              |              |              |              |
| Relative humidity                              | %    | 0 – 95                                                |              |              |              |
| Max. operating altitude                        | m    | 3000                                                  |              |              |              |
| Cooling                                        |      | Smart air cooling for PCS; liquid cooling for battery |              |              |              |

| Parameter                    | Unit  | RISE 261H-5H                                                                                                  | RISE 261H-4H | RISE 261H-3H | RISE 261H-2H |
|------------------------------|-------|---------------------------------------------------------------------------------------------------------------|--------------|--------------|--------------|
| Warranty                     | years | 5 – 10                                                                                                        |              |              |              |
| Communication                |       |                                                                                                               |              |              |              |
| Communication interfaces     |       | RS485; USB                                                                                                    |              |              |              |
| Certifications               |       |                                                                                                               |              |              |              |
| Certifications and standards |       | CE/CB; RoHS; IEC 62109-1/2; IEC 61683; IEC 60068; UN 38.3; IEC 62619; IEC 62477-1; IEC 62933; REACH; UL 9540A |              |              |              |
| Grid codes                   |       | IEC 62116; IEC 61727; EN 50549-1-10; EN 50549-2-10; CEI 0-16; CEI 0-21; UNE 21700/NTS; NRS 097-2-1            |              |              |              |
| System                       |       |                                                                                                               |              |              |              |
| System energy capacity       | kWh   | 261                                                                                                           |              |              |              |
| Fire protection              |       | Aerosol (multi-level fire protection)                                                                         |              |              |              |
| Max. scalable system power   | kW    | 1250                                                                                                          |              |              |              |

Specifications are subject to change without notice. Values are typical at 25 °C unless stated.  
XUSION is a brand of Hunan New Lithium Aviation Technology Co., Ltd.

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