

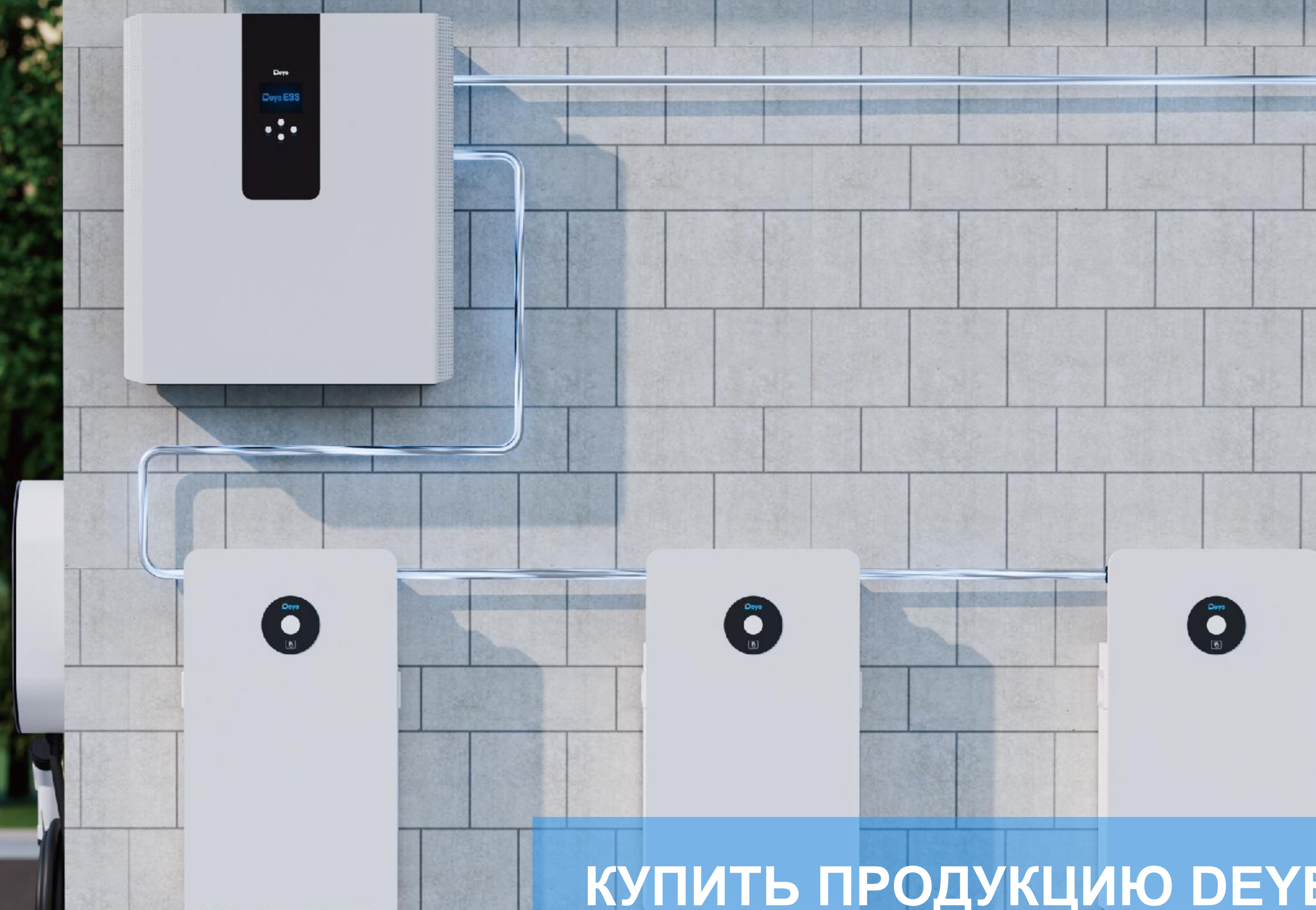


ГИБРИДНАЯ ЭНЕРГИЯ

Deye

# RESIDENTIAL ESS SOLUTION ALL-IN-ONE ENERGY STORAGE SYSTEM

DEYE SPRING RW SERIES



КУПИТЬ ПРОДУКЦИЮ DEYE  
[WWW.DEYE-RUS.RU](http://WWW.DEYE-RUS.RU)



## Enhanced Reliability

- Built-in Intelligent BMS, providing complete protection
- Natural cooling, IP65, wide temperature range : -10 °C to 55 °C



## Smart Application

- Peak-shaving, smart load, AC couple etc.
- Fast switching time of 4ms, ensuring your energy security



## Flexible Expansion

- Max.16 units in parallel ( 57.6kW/84.8kWh or 80kW/84.8kWh )  
Support expansion of Deye 5.3kWh LV battery, Max. capacity of 164.3kWh



## All-in-One Design

- Integrated 3.6kW hybrid inverter and 5.3kWh LFP battery, or 5kW hybrid inverter and 5.3kWh LFP battery, safety and long lifespan



## Easy Installation

- Flat design, wall-mounted, saving installation space, quick and easy installation



## Intelligent Control

- Comfortable and easy control via App, PC or Touch-Display

≥6000

Cycles

4ms

Fast Switching Time

70%

EOL

IP65

Rated for indoor and outdoor use

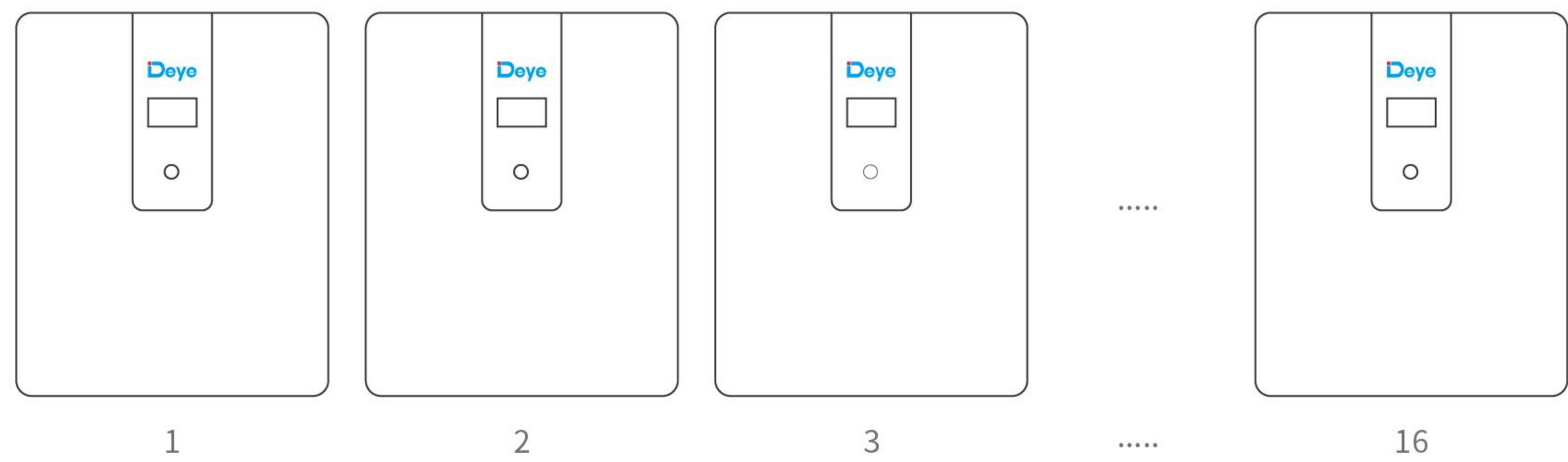


| Model                                                | RW-F5.3-2H3                                                                                                     |  | RW-F5.3-1H3 |  |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--|-------------|--|
| AC Technical Specification                           |                                                                                                                 |  |             |  |
| Rated AC Input / Output Active Power ( W )           | 3600 / 3600                                                                                                     |  | 5000 / 5000 |  |
| Max AC Input / Output Apparent Power ( VA )          | 3960                                                                                                            |  | 5500        |  |
| Peak Power ( off grid )                              | 2 time of rated power, 10s                                                                                      |  |             |  |
| AC Output Rated Current ( A )                        | 16.4 / 15.7                                                                                                     |  | 22.8 / 21.8 |  |
| Max. AC Current ( A )                                | 18 / 17.3                                                                                                       |  | 25 / 24     |  |
| Max Continuous AC Passthrough ( grid to load ) ( A ) | 35                                                                                                              |  |             |  |
| Rated Input / Output Voltage / Range ( V )           | 220V / 230, 0.85Un-1.1Un                                                                                        |  |             |  |
| Rated Input / Output Grid Frequency/Range ( Hz )     | 50Hz / 45Hz - 55Hz, 60Hz / 55Hz - 65Hz                                                                          |  |             |  |
| Grid Connection Form                                 | L+N+PE                                                                                                          |  |             |  |
| Power Factor                                         | 0.8 leading to 0.8 lagging                                                                                      |  |             |  |
| Total Harmonic Distortion ( THDi )                   | <3% ( of nominal power )                                                                                        |  |             |  |
| DC injection current ( mA )                          | <0.5% In                                                                                                        |  |             |  |
| DC Technical Specification                           |                                                                                                                 |  |             |  |
| Max. PV Access Power ( W )                           | 7200                                                                                                            |  | 10000       |  |
| Max. PV Input Power ( W )                            | 5760                                                                                                            |  | 8000        |  |
| Max. PV Input Voltage ( Vdc )                        | 500                                                                                                             |  |             |  |
| Start Up PV Voltage ( Vdc )                          | 125                                                                                                             |  |             |  |
| MPPT Voltage Range ( Vdc )                           | 150 ~ 425                                                                                                       |  |             |  |
| Full Load MPPT Voltage Range ( Vdc )                 | 300 ~ 425                                                                                                       |  |             |  |
| Rated PV Input Voltage ( Vdc )                       | 370                                                                                                             |  |             |  |
| Max. Operating PV Input Current ( A )                | 18+18                                                                                                           |  |             |  |
| Max. PV Input Short-circuit Current ( A )            | 27+27                                                                                                           |  |             |  |
| Number of MPP Trackers                               | 2                                                                                                               |  |             |  |
| No. of Strings Per MPP Tracker                       | 1 + 1                                                                                                           |  |             |  |
| Battery Chemistry                                    | LiFePO <sub>4</sub>                                                                                             |  |             |  |
| Battery Nominal Voltage ( V )                        | 51.2                                                                                                            |  |             |  |
| Battery Energy Configuration ( kWh )                 | 5.32                                                                                                            |  |             |  |
| Max. Charging / Discharging Current ( A )            | 75                                                                                                              |  | 100         |  |
| Battery Operating Voltage ( V )                      | 44.8 ~ 57.6                                                                                                     |  |             |  |
| Battery Cycle Life                                   | ≥6000 ( @25°C±2°C, 0.5C / 0.5C, 70%EOL )                                                                        |  |             |  |
| Other Technical Specification                        |                                                                                                                 |  |             |  |
| Dimension ( W × D × H, mm )                          | 616 × 191 × 690 ( Excluding connectors and brackets )                                                           |  |             |  |
| Weight Appr. ( kg )                                  | 71                                                                                                              |  |             |  |
| IP Rating of Enclosure                               | IP65                                                                                                            |  |             |  |
| Operating Temperature Range ( °C )                   | -10°C ~ 55°C                                                                                                    |  |             |  |
| Permissible Ambient Humidity                         | 0~100%                                                                                                          |  |             |  |
| Inverter Topology                                    | Non-Isolated                                                                                                    |  |             |  |
| Over Voltage Category                                | OVC II ( DC ), OVC III ( AC )                                                                                   |  |             |  |
| Type Of Cooling                                      | Natural Cooling                                                                                                 |  |             |  |
| Noise ( dB )                                         | <30                                                                                                             |  |             |  |
| Display                                              | Touch LCD                                                                                                       |  |             |  |
| Monitor Mode                                         | WIFI, Bluetooth                                                                                                 |  |             |  |
| Installation Style                                   | Wall-Mounted, Floor-Mounted                                                                                     |  |             |  |
| Max. Efficiency                                      | 97%                                                                                                             |  |             |  |
| Max. charging / discharging Efficiency               | 95.5%                                                                                                           |  |             |  |
| MPPT Efficiency                                      | >99%                                                                                                            |  |             |  |
| Safety EMC / Standard                                | IEC / EN 61000-6-1 / 2 / 3 / 4 , IEC / EN 62109-1, IEC / EN 62109-2                                             |  |             |  |
| Grid Regulation                                      | IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4105   |  |             |  |
| Certification                                        | UN38.3, IEC62619                                                                                                |  |             |  |
| Warranty                                             | 5/10 years (the Warranty Period Depends the Final Installation Site. More Info Please Refer to Warranty Policy) |  |             |  |



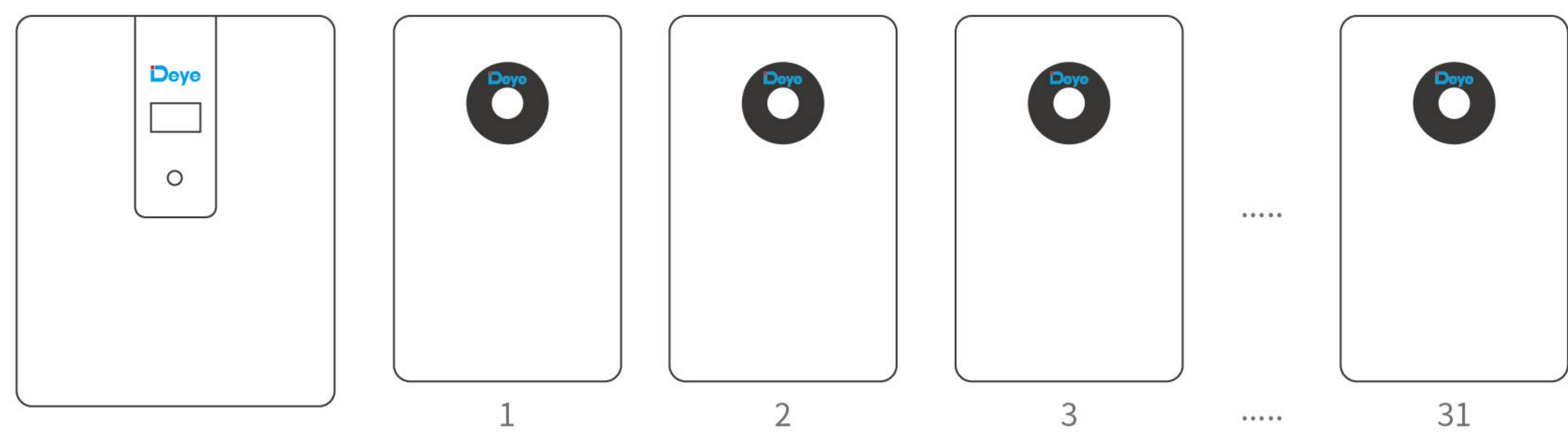
Maximum support for 16 units in parallel

|             |                |
|-------------|----------------|
| RW-F5.3-2H3 | 57.6kW/84.8kWh |
| RW-F5.3-1H3 | 80kW/84.8kWh   |

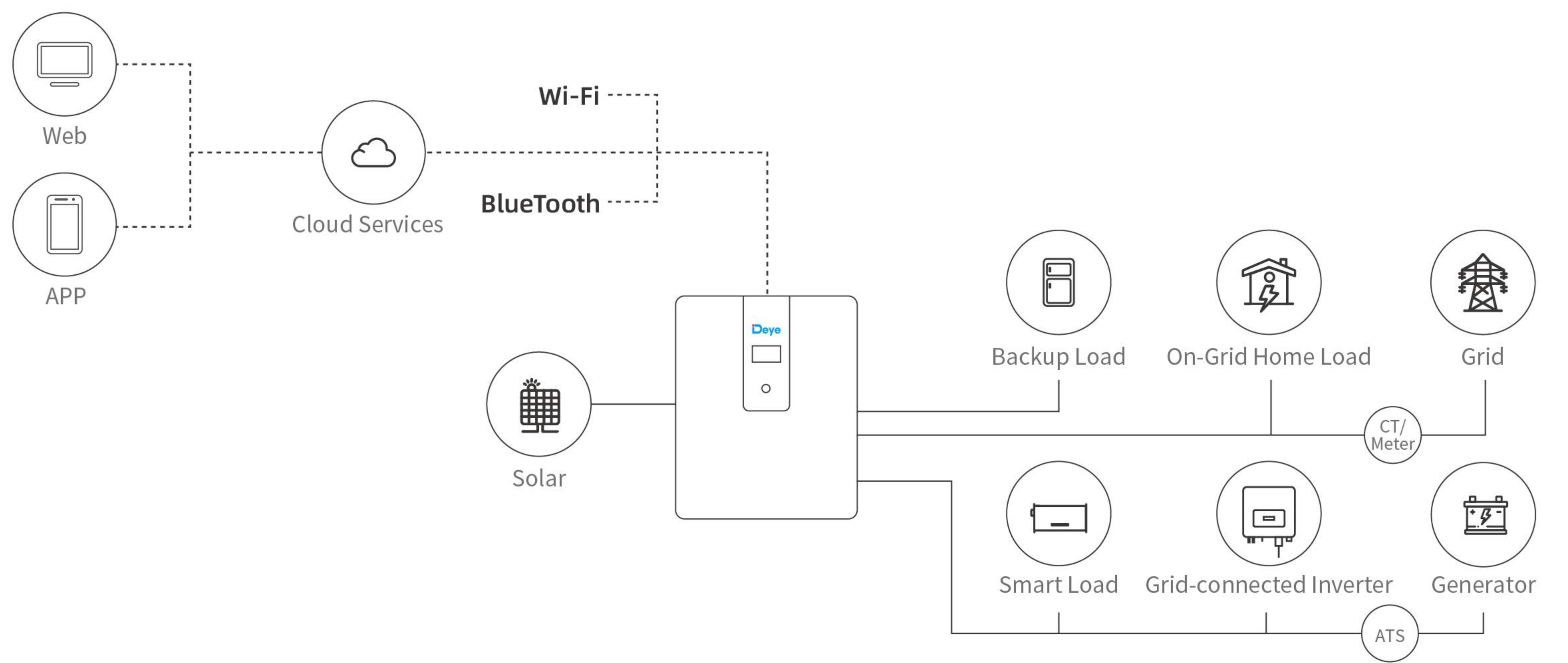


Maximum support for 31 Deye RW-L5.3 in parallel

|                                     |          |
|-------------------------------------|----------|
| RW-L5.3 and RW-F5.3-1H3/RW-F5.3-2H3 | 164.3kWh |
|-------------------------------------|----------|



System Application Topology Diagram







***To Make ESS Better***



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