





NEW

Spring Serise  
RW-F16

- Safer**
  - LFP Battery : Safe, long-lasting, high-efficiency. Built-in circuit breaker, Intelligent BMS. Eco-friendly materials, non-toxic, pollution-free module.
- Easy Operation & Maintenance**
  - Battery module auto networking ( No DIP switches ).
  - Support remotely monitoring and upgrade the firmware via Deye Inverter.
  - Support external power supply activation, prevents battery suspension.
  - Allow over-discharge direct recharge, easy to maintain.
- Reliable**
  - Built-in circuit breaker, Support 160A charge an 160A discharge.
  - Charge from 0°C to 55°C, discharge from -20°C to 55°C.
- Flexible Application**
  - Support Max. 32 units in parallel.
  - Built-in 10A constant-current limit charge.
  - Compatible with any brand inverter charge and discharge.
  - Suited to provide energy for backup power, residential,etc.

NEW

Spring Serise  
RW-L5.1

**Automatic Recovery Function**

- Minimum cold-start capability of 9V.

**Smart Fuse, Safe Power**

- Prevents thermal runaway in key circuits for ultimate safety.

**1C Charge, 1.2C Discharge**

- Compared to traditional products, performance improve by 20%.

**Reverse Polarity Protection**

- Prevents battery and BMS damage from incorrect wiring.

**Flexible Expansion**

- Max. 32 units in parallel, ideal for backup power.

**Seamless Convenience**

- Automatic battery networking and remote monitoring/upgrade support.

NEW

Spring Series  
SE-G5.1 & SE-G10.2

- Safer**
  - LFP Battery : safety, long lifespan and high-energy density.
  - Built-in intelligent BMS, providing complete protection.
- Easy Maintenance**
  - Support external power supply activation, prevents battery suspension.
  - Allow over-discharge direct recharge, easy to maintain.
- Exceptional Performance**
  - Support Max. 0.5C continuous charging and discharging.
- Enhanced Reliability**
  - 5 years warranty.
  - Wide temperature range: -20°C~55°C.
- More Flexible**
  - Easy to expand, Max. 64 units in parallel (327kWh/655kWh).

NEW

Summer Serise  
BOS-A-Pack7.68/BOS-A-PDU2/BOS-A-Rack14

- Safe and Reliable**
  - Intelligent BMS.
  - Firefighting module.
  - Dual electrode disconnection design.
  - Support up to 160A current output.
- Intelligent Control**
  - Protection against over-discharge, over-charge, over-current and extreme temperatures.
  - Automatically manage charge / discharge.
  - States and balances cell current voltage.
  - Uploading of battery data via TCP protocol.
- Smart Operation**
  - Cloud-based monitoring.
  - Keep track of the operating status.
  - Intelligent strategy control.
  - Effectively saving on electricity bill.
- Easy Installation**
  - 3U rack embedded design.
  - A concise data display interface.
  - Multiple battery modules can be in parallel for expanding.
  - Dual power output plugs, each supports 100A.
  - Connectable to two inverter DC interfaces.
  - USB, Bluetooth connection.
- Long Service Life**
  - 10-year warranty.
  - 6000 cycles.
- Flexible Expansion**
  - Support 7 ~ 21 packs.
  - Inverter 50 ~ 100kW, Battery 54 ~ 161kWh.
  - Easy capacity expansion and save more budget.

| Model                                          | SUN-5K-G05P1-EU-AM2     | SUN-10K-G02P2-EU-AM2    | SUN-10K-G06P3-EU-BM2-P1         | SUN-20K-G05                           | SUN-50K-G04                     | SUN-100K-G03                    | SUN-136K-G01P3-EU-AM8           |
|------------------------------------------------|-------------------------|-------------------------|---------------------------------|---------------------------------------|---------------------------------|---------------------------------|---------------------------------|
| PV String Input Data                           |                         |                         |                                 |                                       |                                 |                                 |                                 |
| Max. PV Input Power(kW)                        | 7.5                     | 15                      | 15                              | 26                                    | 65                              | 150                             | 204                             |
| Max. PV Input Voltage(V)                       | 550                     | 550                     | 1100                            | 1100                                  | 1100                            | 1000                            | 1100                            |
| Start-up Voltage(V)                            | 80                      | 80                      | 140                             | 250                                   | 250                             | 250                             | 250                             |
| MPPT Voltage Range(V)                          | 70-500                  | 70-500                  | 120-1000                        | 200-1000                              | 200-1000                        | 200-850                         | 200-1000                        |
| Rated PV Input Voltage(V)                      | 360                     | 360                     | 600                             | 600                                   | 600                             | 600                             | 600                             |
| Max. Operating PV Input Current(A)             | 18×2                    | 26×2                    | 20×2                            | 26×2                                  | 40×4                            | 40×6                            | 60×8                            |
| Max. Input Short Circuit Current(A)            | 27×2                    | 39×2                    | 30×2                            | 39×2                                  | 60×4                            | 60×6                            | 60×8                            |
| No. of MPP Trackers/No. of Strings MPP Tracker | 2/1+1                   | 2/2+2                   | 2/1+1                           | 2/2+2                                 | 4/3+3+3+3                       | 6/4+4+4+4+4+4                   | 8/4+4+4+4+4+4+4+4               |
| AC Output Side                                 |                         |                         |                                 |                                       |                                 |                                 |                                 |
| Rated AC Output Active Power(kW)               | 5                       | 10                      | 10                              | 20                                    | 50                              | 100                             | 136                             |
| Max. AC Output Apparent Power(kVA)             | 5.5                     | 11                      | 11                              | 22                                    | 55                              | 110                             | 136                             |
| Rated output voltage/range (V)                 | 220/230<br>0.85Un-1.1Un | 220/230<br>0.85Un-1.1Un | 220/380,230/400<br>0.85Un-1.1Un | 220/380,230/400<br>0.85Un-1.1Un       | 220/380,230/400<br>0.85Un-1.1Un | 220/380,230/400<br>0.85Un-1.1Un | 220/380,230/400<br>0.85Un-1.1Un |
| Grid Connection Form                           | L/N/PE                  | L/N/PE                  | 3L/N/PE                         | 3L/N/PE                               | 3L/N/PE                         | 3L/N/PE                         | 3L/N/PE                         |
| Rated Output Grid Frequency/range(Hz)          |                         |                         |                                 | 50/45-55, 60/55-65                    |                                 |                                 |                                 |
| Power Factor Adjustment Range                  |                         |                         |                                 | 0.8 leading to 0.8 lagging            |                                 |                                 |                                 |
| Efficiency                                     |                         |                         |                                 |                                       |                                 |                                 |                                 |
| Max. Efficiency                                | 97.5%                   | 97.7%                   | 98.3%                           | 98.5%                                 | 98.7%                           | 98.8%                           | 98.8%                           |
| Euro Efficiency                                | 97%                     | 97.2%                   | 97.8%                           | 98%                                   | 98.1%                           | 98.2%                           | 98.2%                           |
| MPPT Efficiency                                | >99%                    | >99%                    | >99%                            | >99%                                  | >99%                            | >99%                            | >99%                            |
| Interface                                      |                         |                         |                                 |                                       |                                 |                                 |                                 |
| Communication Interface                        |                         |                         |                                 | RS485/RS232                           |                                 |                                 |                                 |
| Monitor Mode                                   |                         |                         |                                 | GPRS/WIFI/Bluetooth /4G/LAN(optional) |                                 |                                 |                                 |
| General Data                                   |                         |                         |                                 |                                       |                                 |                                 |                                 |
| Operating Temperature Range(°C)                | 0-100%                  | 0-100%                  | 0-100%                          | -25 to +60°C, >45°C Derating          | 0-100%                          | 0-100%                          | 0-100%                          |
| Permissible Ambient Humidity                   | 3000m                   | 3000m                   | 4000m                           | 4000m                                 | 4000m                           | 4000m                           | 4000m                           |
| Permissible Altitude(m)                        | ≤35                     | ≤35                     | <45                             | ≤50                                   | <65                             | ≤55                             | ≤65                             |
| Noise(dB)                                      |                         |                         |                                 | IP 65                                 |                                 |                                 |                                 |
| Ingress Protection(IP) Rating                  |                         |                         |                                 | Non-Isolated                          |                                 |                                 |                                 |
| Inverter Topology                              |                         |                         |                                 | OVC II(DC), OVC III(AC)               |                                 |                                 |                                 |
| Over Voltage Category                          |                         |                         |                                 |                                       |                                 |                                 |                                 |
| Weight(kg)                                     | 7.7                     | 14.8                    | 11.5                            | 20                                    | 39                              | 81                              | 103                             |
| Warranty                                       | 5 Years                 | 5 Years                 | 5 Years                         | 5 Years                               | 5 Years                         | 5 Years                         | 5 Years                         |
| Type of Cooling                                |                         | Natural Cooling         |                                 |                                       | Intelligent Air Cooling         |                                 |                                 |

| Model                                             | SUN-3.6/5/6K-SG04LP1-EU-SM2 | SUN-8K-SG05-LP1-EU-SM2-P | SUN-10K-SG02-LP1-EU-AM3 | SUN-16K-SG01-LP1-EU                                                                                                             | SUN-5K-SG05-LP3-EU-SM2 | SUN-10/12K-SG04LP3-EU       | SUN-15/20K-SG05LP3-EU-SM2 | SUN-30K-SG01-HP3-EU-BM3       | SUN-40/50K-SG01HP3-EU-BM4 | SUN-80K-SG02-HP3-EU-EM6       |
|---------------------------------------------------|-----------------------------|--------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------|---------------------------|-------------------------------|---------------------------|-------------------------------|
| Battery Input Data                                |                             |                          |                         |                                                                                                                                 |                        |                             |                           |                               |                           |                               |
| Battery Type                                      |                             |                          |                         |                                                                                                                                 |                        |                             |                           |                               |                           |                               |
| Battery Voltage Range (V)                         | 40-60                       | 40-60                    | 40-60                   | Lead-acid or Lithium-ion                                                                                                        | 40-60                  | 40-60                       | 40-60                     | 40-60                         | 160-800                   | 160-1000                      |
| Max. Charging Current (A)                         | 90                          | 120                      | 135                     | 190                                                                                                                             | 220                    | 290                         | 210                       | 240                           | 280                       | 350                           |
| Max. Discharging Current (A)                      | 90                          | 120                      | 135                     | 190                                                                                                                             | 220                    | 290                         | 210                       | 240                           | 280                       | 350                           |
| Charging Strategy for Li-ion Battery              |                             |                          |                         | Self-adaption to BMS                                                                                                            |                        |                             |                           |                               |                           |                               |
| Number of Battery Input                           | 1                           | 1                        | 1                       | 2                                                                                                                               | 1                      | 1                           | 2                         | 2                             | 2                         | 2                             |
| PV String Input Data                              |                             |                          |                         |                                                                                                                                 |                        |                             |                           |                               |                           |                               |
| Max. PV Access Power (W)                          | 7200                        | 10000                    | 12000                   | 16000                                                                                                                           | 20000                  | 32000                       | 10000                     | 20000                         | 24000                     | 30000                         |
| Max. PV Input Power (W)                           | 5760                        | 8000                     | 9600                    | 12800                                                                                                                           | 16000                  | 25600                       | 8000                      | 15000                         | 18000                     | 24000                         |
| Max. PV Input Voltage (V)                         | 500                         | 500                      | 500                     | 500                                                                                                                             | 500                    | 800                         | 800                       | 800                           | 800                       | 1000                          |
| Start-up Voltage(V)                               | 125                         | 125                      | 125                     | 125                                                                                                                             | 160                    | 160                         | 160                       | 160                           | 180                       | 180                           |
| MPPT Voltage Range (V)                            | 150-425                     | 150-425                  | 150-425                 | 150-425                                                                                                                         | 200-650                | 200-650                     | 200-650                   | 200-650                       | 150-850                   | 150-850                       |
| Rated PV Input Voltage (V)                        | 370                         | 370                      | 370                     | 370                                                                                                                             | 550                    | 550                         | 550                       | 550                           | 600                       | 650                           |
| Max. Operating PV Input Current (A)               | 18×2                        | 32×2                     | 26×3                    | 26×3                                                                                                                            | 20×2                   | 26+13                       | 36×3                      | 36×3                          | 36×4                      | 36×6                          |
| Max. Input Short-Circuit Current (A)              | 27×2                        | 48×2                     | 44×3                    | 44×3                                                                                                                            | 30×2                   | 34+17                       | 54×2                      | 55×3                          | 55×4                      | 54×6                          |
| No. of MPP Trackers/No. of Strings MPP Tracker    | 2/1+1                       | 2/2+2                    | 3/2+2+2                 | 3/2+2+2                                                                                                                         | 2/1+1                  | 2/2+1                       | 2/2+2                     | 3/2+2+2                       | 4/2+2+2                   | 6/2+2+2+2+2+2                 |
| AC Input/Output Data                              |                             |                          |                         |                                                                                                                                 |                        |                             |                           |                               |                           |                               |
| Rated AC Output Active Power(W)                   | 3600                        | 5000                     | 6000                    | 8000                                                                                                                            | 10000                  | 16000                       | 5000                      | 10000                         | 12000                     | 15000                         |
| Max. AC Output Apparent Power(VA)                 | 3960                        | 5500                     | 6600                    | 8800                                                                                                                            | 11000                  | 17600                       | 5500                      | 11000                         | 13200                     | 16500                         |
| Max. Continuous AC Passthrough (grid to load) (A) | 35                          | 35                       | 40                      | 50                                                                                                                              | 60                     | 100                         | 45                        | 70                            | 200                       | 200                           |
| Peak Power (off-grid) (W)                         |                             |                          |                         |                                                                                                                                 |                        | 2 times of rated power, 10s |                           |                               |                           | 1.5 times of rated power, 10s |
| Power Factor Adjustment Range                     |                             |                          |                         |                                                                                                                                 |                        | 0.8 leading to 0.8 lagging  |                           |                               |                           |                               |
| Rated Input/Output Voltage/Range (V)              |                             |                          |                         | 220/230 0.85Un-1.1Un                                                                                                            |                        |                             |                           | 220/380, 230/400 0.85Un-1.1Un |                           |                               |
| Rated Input/Output Grid Frequency/Range(Hz)       |                             |                          |                         | 50/45-55, 60/55-65                                                                                                              |                        |                             |                           | 50/45-55, 60/55-65            |                           |                               |
| Grid Connection Form                              |                             |                          |                         | L+N+PE                                                                                                                          |                        |                             |                           | 3L+N+PE                       |                           |                               |
| Efficiency                                        |                             |                          |                         |                                                                                                                                 |                        |                             |                           |                               |                           |                               |
| Max. Efficiency                                   |                             |                          |                         | 97.6%                                                                                                                           |                        |                             |                           | 97.6%                         |                           | 98.7%                         |
| Euro Efficiency                                   |                             |                          |                         | 96.5%                                                                                                                           |                        |                             |                           | 97.0%                         |                           | 98.1%                         |
| MPPT Efficiency                                   |                             |                          |                         | >99%                                                                                                                            |                        |                             |                           | >99%                          |                           | >99%                          |
| Interface                                         |                             |                          |                         |                                                                                                                                 |                        |                             |                           |                               |                           |                               |
| Communication Interface                           |                             |                          |                         | RS485/RS232/CAN                                                                                                                 |                        |                             |                           |                               |                           |                               |
| Monitor Mode                                      |                             |                          |                         | GPRS/WIFI/Bluetooth/4G/LAN(optional)                                                                                            |                        |                             |                           |                               |                           |                               |
| General Data                                      |                             |                          |                         |                                                                                                                                 |                        |                             |                           |                               |                           |                               |
| Operating Temperature Range(°C)                   |                             |                          |                         | -40 to +60°C, >45°C Derating                                                                                                    |                        |                             |                           |                               |                           |                               |
| Permissible Ambient Humidity                      |                             |                          |                         | 0-100%                                                                                                                          |                        |                             |                           |                               |                           |                               |
| Permissible Altitude(m)                           | 2000m                       | 2000m                    | 2000m                   | 2000m                                                                                                                           | 3000m                  | 2000m                       | 3000m                     | 2000m                         | 2000m                     | 3000m                         |
| Noise(dB)                                         | <30                         | <30                      | <45                     | <50                                                                                                                             | ≤55                    | ≤55                         | ≤55                       | <60                           | ≤65                       | ≤65                           |
| Ingress Protection(IP) Rating                     |                             |                          |                         | IP 65                                                                                                                           |                        |                             |                           |                               |                           |                               |
| Inverter Topology                                 |                             |                          |                         | Non-Isolated                                                                                                                    |                        |                             |                           |                               |                           |                               |
| Over Voltage Category                             |                             |                          |                         | OVC II(DC), OVC III(AC)                                                                                                         |                        |                             |                           |                               |                           |                               |
| Weight(kg)                                        | 17.6                        | 19                       | 19                      | 24.9                                                                                                                            | 35.6                   | 52                          | 35.2                      | 38                            | 51.9                      | 80                            |
| Type of Cooling                                   |                             |                          |                         | Natural Cooling                                                                                                                 |                        |                             |                           | Intelligent Air Cooling       |                           |                               |
| Warranty                                          |                             |                          |                         | 5 Years/10 Years the Warranty Period Depends the Final Installation Site of Inverter, More Info Please Refer to Warranty Policy |                        |                             |                           |                               |                           |                               |

NEW

Spring Serise  
RW-F5.3-1H3

**Enhanced Reliability**

- Built-in Intelligent BMS, providing complete protection.
- Natural cooling.
- IP65 - rated for indoor and outdoor use.
- Wide temperature range : -10°C to 55°C.

**Flexible Expansion**

- Max.16 units in parallel ( 80kW/84.8kWh ).
- Support expansion of Deye 5.3kWh LV battery,allowing up to 31 batteries for a Max. capacity of 164.3kWh.

**Smart Application**

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

**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.

**All-in-One Design**

- Integrated 5kW hybrid inverter and 5.3kWh LF battery.

NEW

100KW-2.5MW  
C&I ESS SOLUTION

**GEN Port**

**Load Port**

**Grid Port**

**PCS Connection Point**

**STS AC Parallel Port**

**STS Module (500kW)**

- Switching capacity of 500kW.
- Enables smooth switching between on-grid, off-grid, and diesel generator modes.
- Switching time of less than 20ms.

**MPPT Module (8 MPP Trackers)**

- Maximum 200kW Pv module connection with 8 MPPT channels, 40A per MPPT.

**PCS Module (100kW/125kW)**

- 175A/220A charge and discharge current.
- Maximum efficiency of 98.5%.
- System rated power up to 2.5MW.
- Eliminating the need for additional EMS.
- Integrates zero-export and time-of-use control functions.
- Supports instantaneous peak power up to 170% of rated power.

**CAN/RS485**

**DC Port**

**AC Output**

**Data Logger**

**Battery Port**

**C7/Meter/BMS/MPPT/Parallel**