



# ESS Solution

SE-F16 Max-6



## Safer & Reliable

Lithium Iron Phosphate (LFP) Battery, safety and long lifespan.  
Built-in intelligent BMS with active fuse, providing complete protection.  
Intelligent thermal management, IP65/NEMA 3R, wide temperature range: -20°C to 55°C/-4°F to 131°F.



## Convenient & Smart

Battery module auto networking ( No DIP switches), easy to use.  
Support Deye Cloud remotely monitoring and upgrade via Deye Inverter.  
Support local Bluetooth APP monitoring and upgrade.



## Flexible

Modular design, easy to expand, Max. 32 units in parallel.  
Suited to residential and small commercial applications for increasing the self-consumption ratio.



## Ultra-efficient

Support Max. 0.5C charge & 0.6C discharge, Max. 11.8kW output power.  
Integrated PACK design reduces line loss and increases energy density.



## Wall-Mounted & Floor-Mounted

Flat design, support wall-mounted and Floor-mounted, saving installation space.

# ESS SOLUTION



## Model

## SE-F16 Max-6

### Main Parameters

|                                    |
|------------------------------------|
| Battery Chemistry                  |
| Rated Capacity (Ah) <sup>[1]</sup> |
| Scalability <sup>[2]</sup>         |
| Nominal Voltage (V)                |
| Operating Voltage(V)               |
| Nominal Energy (kWh)               |
| Usable Energy (kWh) <sup>[1]</sup> |
| Max. Output Power (kW)             |

|                                     |                 |
|-------------------------------------|-----------------|
| Charge Current(A) <sup>[3]</sup>    | Recommend       |
|                                     | Max. Continuous |
|                                     | Peak            |
| Discharge Current(A) <sup>[3]</sup> | Recommend       |
|                                     | Max. Continuous |
|                                     | Peak            |

### Other Parameter

|                                                        |
|--------------------------------------------------------|
| Recommend Depth of Discharge                           |
| Dimension (W/H/D)(Without hanging board and terminals) |
| Weight Approx.                                         |
| Display                                                |
| Ingress Protection Rating/Enclosure Rating             |
| Operating Temperature                                  |
| Storage Temperature                                    |
| Relative Humidity                                      |
| Altitude                                               |
| Cycle Life                                             |
| Isolation Protection                                   |
| Installation                                           |
| Communication                                          |
| Certification                                          |
| Energy Throughput <sup>[4]</sup>                       |
| Warranty Period <sup>[4]</sup>                         |

|                         |
|-------------------------|
| LiFePO <sub>4</sub>     |
| 314                     |
| Max. 32 pcs in parallel |
| 51.2                    |
| 44.8 - 57.6             |
| 16                      |
| 16                      |
| 11.8                    |
| 157                     |
| 160                     |
| 280 (10 sec )           |
| 157                     |
| 200                     |
| 240 (10 sec )           |

|                                                                                           |
|-------------------------------------------------------------------------------------------|
| 90% DOD                                                                                   |
| 464*914*244.5 mm/18.3" x 36.0" x 9.63"                                                    |
| 120kg/264.55lbs                                                                           |
| LCD(SOC, Alarm)                                                                           |
| IP65/NEMA 3R                                                                              |
| Charge: -20°C~55°C/-4°F~131°F( heating activated),<br>Discharge: -20°C - +55°C/-4°F~131°F |
| 0°C~35°C/32°F~95°F                                                                        |
| 95% (non-condensing)                                                                      |
| ≤3000m/9843ft                                                                             |
| ≥6000(25°C±2°C/77°F ±35.6°F ,70%EOL)                                                      |
| Built-in Circuit Breaker                                                                  |
| Wall-Mounted, Floor-Mounted                                                               |
| CAN2.0, RS485, Bluetooth                                                                  |
| UN38.3, UL1973, UL9540A, UL9540-DC, FCC                                                   |
| 50 MWh                                                                                    |
| 10 years                                                                                  |

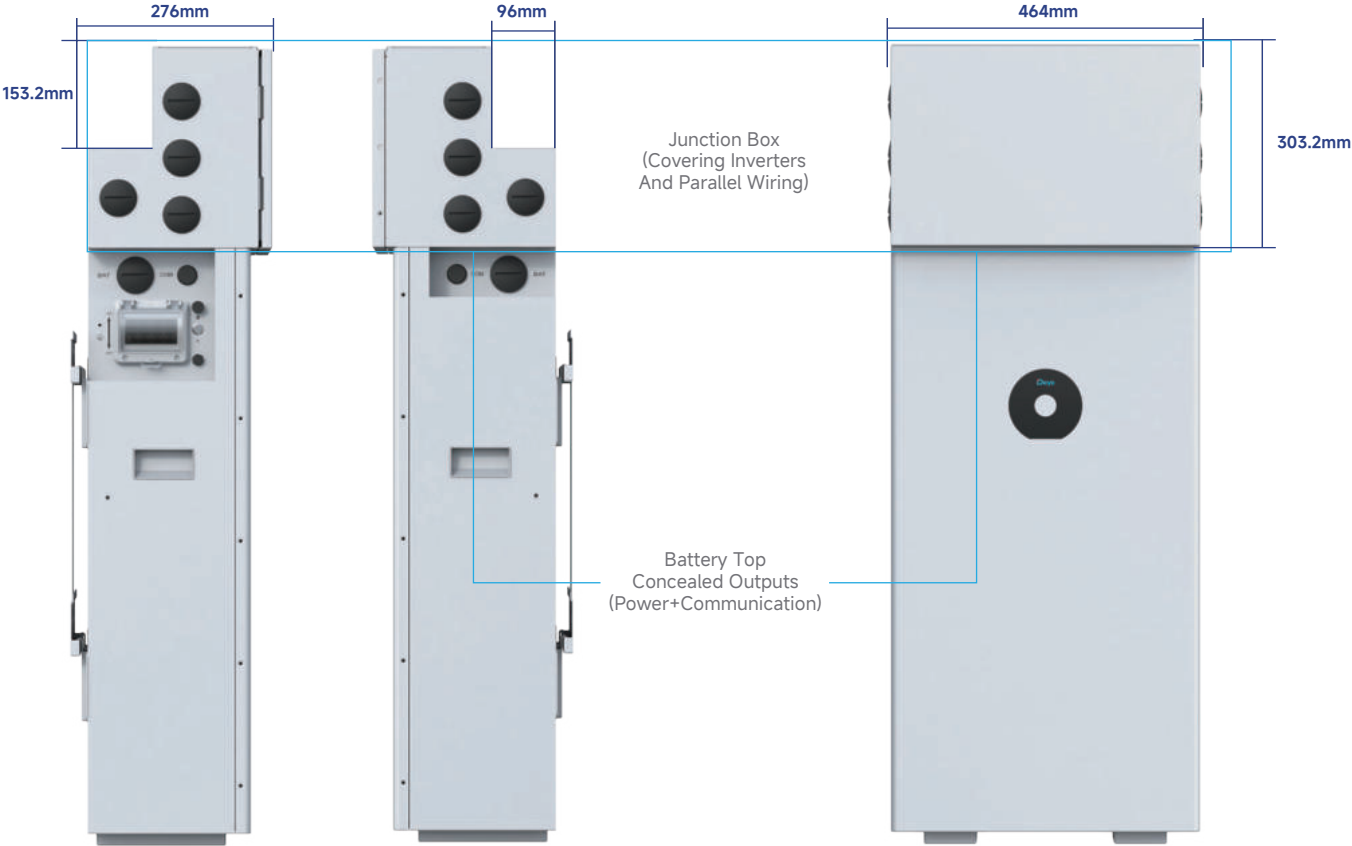
[1] Test conditions : 25°C±2°C/77°F ±35.6°F , at beginning of life, 0.5C charge & 0.5C discharge,100% DOD.

[2] Max. 64 pcs can parallel with CAN-Bridge.

[3] The current is affected by temperature and SOC.

[4] Conditions apply, refer to Deye Warranty Letter.

With Junction Box, 1000A (Optional)



# Deye APP



Bluetooth APP Monitoring



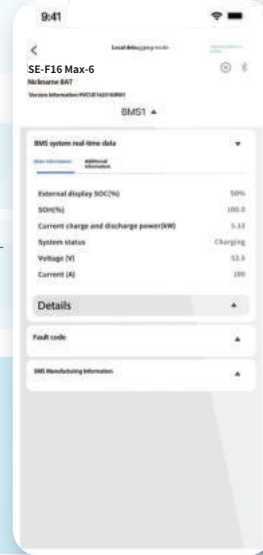
Low Power (Bluetooth LE)



Automated upgrade



Local monitoring mode for battery



Quick Pairing



No Internet Needed



Portable Control



Remote monitoring mode for ESS(Deye Inverter&Battery)



Real-time Equipment Monitoring



Intelligent Charging/Discharging Strategies



AI Data Analytics



Customized Maintenance

## Smarten Up Your Home Energy



Download Deye APP to join us!

Embrace a seamless, effortless energy experience that's both ecofriendly and budget-friendly with our intelligent assistant



Deye ESS / Deye New Energy



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