

Deye

SAVING YOUR
ELECTRICITY BILL

More Efficient

More Safe

More Convenient

More Intelligent

BALCONY ENERGY STORAGE SOLUTION

DEYE AUTUMN AE SERIES



Convenient Charge

Portable Power with
USB-A and Type C



Extreme Weather Adaptability

Wide Operating
Temperature -10°C ~ 50°C



Long Lifespan

10-year Warranty
6000 Cycles to 70% Capacity



High Protection

IP 65
Water & Dust Protection



Smart Connection

Bluetooth, Wi-Fi and
Mobile APP




Flexible Operation

Support On-grid and
Off-grid Operation

Integrated Solar Storage System

All-In-One Module

 1600W PV
MPPT Input

 2kWh
LFP Battery

 1000W On-grid and
Off-grid Operation

| Model | AE-FS2.0-2H2/7 |
|--|--|
| AC Technical Specification | |
| Nominal Input / Output Power / UPS Power | 1000 / 1000W |
| AC Input / Output Frequency and Voltage | 50Hz (45Hz ~ 55Hz) , 60Hz (55Hz ~ 65Hz) , L / N (PE) , 220 / 230 Vac |
| Grid Type | Single phase |
| Rated Grid Input / Output Current | 4.6A / 4.4A |
| Max.Grid Input / Output Current | 5.0A / 4.8A |
| Peak Power (off-grid) | 2 times of rated power, 10s |
| Power Factor Adjustment Range | 0.8 leading to 0.8 lagging |
| Max. bypass Grid to load | 10A |
| DC injection current | THD<3% (Linear load<1.5%) mA |
| DC Technical Specification | |
| Max. PV Access Power (W) | 2200W |
| Max. PV Input Power | 1600W |
| Max. PV Input Voltage (V) | 60V |
| Start-up Voltage (V) | 25 |
| MPPT voltage range (V) | 20 ~ 55 |
| Full Load MPPT Voltage Range (V) | 30 ~ 55 |
| Rated PV Input voltage (V) | 42.5V |
| Max. Input Short-Circuit Current (A) | 27+27A |
| Max. Operating PV Input Current (A) | 18+18A |
| No. of MPP Trackers / No. of Strings per MPP Tracker | 2 / 1 |
| Battery Technical Specification | |
| Battery Chemistry | LiFePO ₄ |
| Battery Nominal Voltage | 51.2V |
| Battery Nominal Energy | 2000Wh |
| Max.Charging/Discharging Current | 25A |
| Battery Operating Voltage | 44.8V ~ 57.6V |
| Battery Cycle Life | ≥6,000 (@25°C±2°C, 0.5C / 0.5C, 70%EOL) |
| Parallel Capability | Supports up to 4 AE-F2.0 Smart Extra Batteries up to 10kWh |
| USB Port Technical Specification | |
| USB-A Output | 2ports, 5V, 2.4A, 12W Max per port |
| USB-C Output | 2ports, 5V, 3.0A, 15W Max per port |
| Other Technical Specification | |
| Display | Colorful Touch LCD & APP & Battery LED (SOC, Alarm) |
| Communication interfaces | Wi-Fi, Bluetooth |
| Dimension (W × D × H) | 450 × 210 × 321mm |
| Weight Approximate (kg) | 26Kg |
| Operating Temperature Range | -10°C ~ 50°C |
| Max. Operating Altitude | 2000m |
| Relative Humidity | 0 ~ 95% (No Condensing) |
| Safety EMC / Standard | IEC62619, UN38.3, IEC / EN62109-1, IEC / EN62109-2, IEC / EN61000-6-1, IEC / EN61000-6-2, IEC / EN61000-6-3, IEC / EN61000-6-4 |
| Grid Regulation | VDE4105, IEC61727 / 62116, VDE0126, AS4777.2, CEI0-21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149 / NBR16150 |
| Battery Certification | UN38.3, IEC 62619 |
| Installation Style | Floor-Mounted |
| Warranty | 5 years |



| Model | AE-F2.0 |
|--|--|
| Battery Technical Specification | |
| Battery Chemistry | LiFePO ₄ |
| Battery Nominal Voltage | 51.2V |
| Battery Nominal Energy | 2000Wh |
| Max. Charging / Discharging Current | 50A |
| Battery Operating Voltage | 44.8V ~ 57.6V |
| Battery Cycle Life | ≥6000 (@25°C±2°C, 0.5C / 0.5C, 70%EOL) |
| Parallel Capability | 5 pcs |
| Other Technical Specification | |
| Display | LED (SOC, Alarm) |
| Communication interfaces | CAN2.0, LoRa |
| Dimension (W × D × H) | 450 × 210 × 244mm |
| Weight Approximate (kg) | 20 |
| Operating Temperature Range | -10°C ~ 50°C |
| Max. Operating Altitude | 3000m |
| Relative Humidity | 15% ~ 85% (No Condensing) |
| Certification | UN38.3, IEC 62619, CE |
| Installation Style | Floor-Mounted |
| Warranty | 10 years |

*Maximum 5 Pieces AE-F2.0 Packs in Parallel, Up to 10kWh.



SCENARIO-BASED ENERGY MANAGEMENT SOLUTIONS

Utilize energy in every outdoor adventure or household needs. Embrace effortless energy experience that's both eco-friendly and budget-friendly with our intelligent assistant.

Scenario 1 :



Compact Balcony Solar Plant
Automated Energy-Saving Strategies

Scenario 2 :



Camping Power Solution
Empower Your Outdoor Adventure

Scenario 3 :



Reliable Home Emergency Power Source
Ensure You Stay Powered Up When You Need It Most

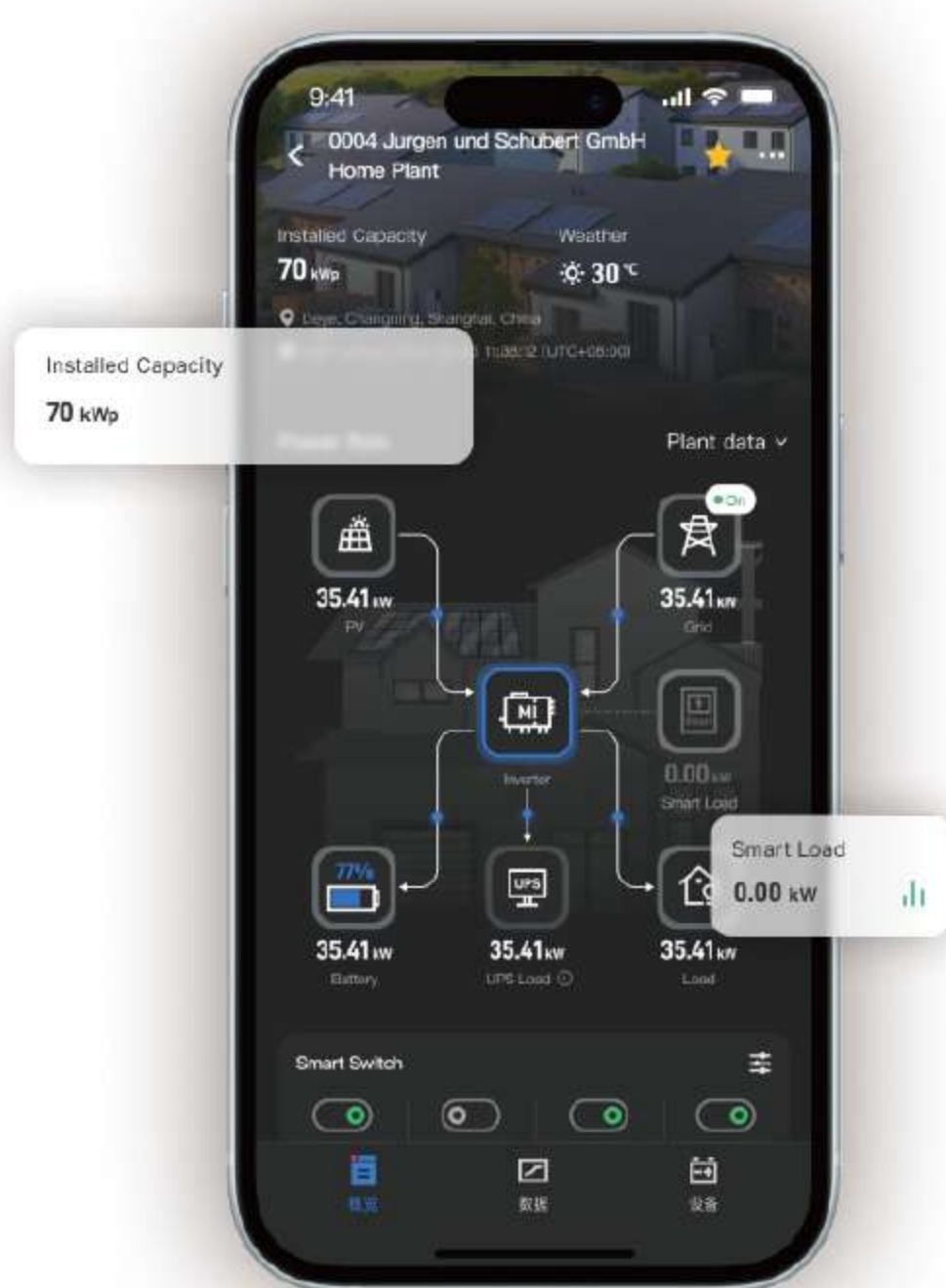
SMARTEN-UP YOUR HOME ENERGY

Real-time monitoring, with data information at a glance. Create scenario-based tasks that adapt to your daily routines. A smarter way to manage your electricity bills.

CONNECT, MONITOR, CONTROL

Seamlessly integrated with Deye devices for a smarter, more efficient energy experience.

User-friendly interface demystifies complex settings. Clear menu hierarchy, key information at your finger tips.



Deye

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