ECOBATEnergy

Deye

ESS Solution

SE-F5 & SE-F5 Plus & SE-F5 Pro & SE-F12 & SE-F12 Max & SE-F16 & SE-F16 Max

- SE-F5 & F5 Plus
- SE-F5 Pro
- SE-F12
- SE-F16
- SE-F12 Max — IP65
- SE-F16 Max — IP65

ECOBATEnergy

SE-F5 & SE-F5 Plus & SE-F5 Pro & SE-F12 & SE-F12 Max & SE-F16 & SE-F16 Max

Comprehensive Protection
Advanced BMS with active fuse

Superior Performance
Support Max. 1C charge &1.2C discharge (SE-F5 & F5 Plus), GaN MOSFETs: 50% loss reduction, high-temp resistance

Optimized Energy Density
Integrated PACK: reduced line loss, enhanced energy density

Flexible Expansion
Max. 32 units in parallel

Easy Maintenance
Auto-networking, Local monitoring mode for battery, remote monitoring mode for ESS

Reliable Durability
Operates reliably in -20℃ to 55℃, natural cooling

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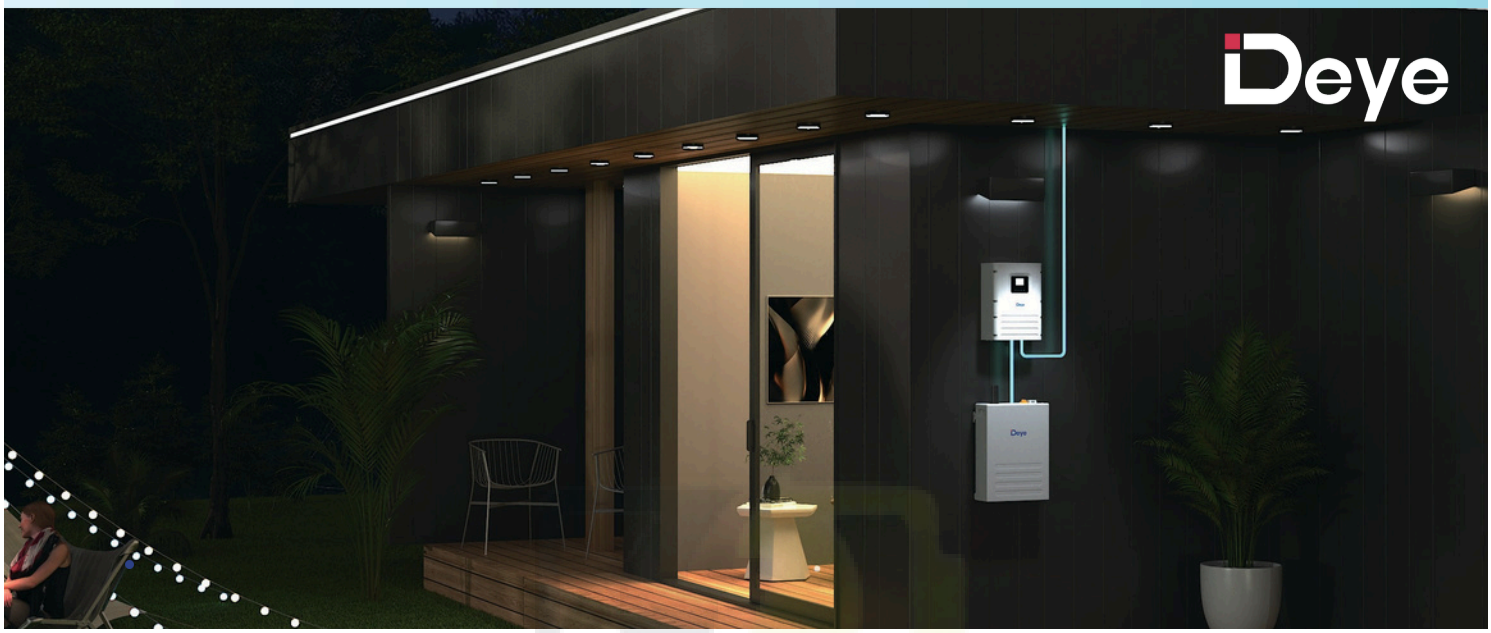

Model

Main Parameters		SE-F5	SE-F5 Plus	SE-F5 Pro
Battery Chemistry		$LiFePO_4$		
Capacity		100 Ah		
Scalability [1]		Max. 32 pcs in parallel		
Nominal Voltage		51.2 V		
Operating Voltage		44.8 V ~ 57.6 V		
Nominal Energy		5.12 kWh		
Charge Current [2]	Max. Continuous	100 A		
	Peak	120 A (10 sec)		150 A (120 sec)
Discharge Current [2]	Max. Continuous	120 A		100 A
	Peak	150 A (10 sec)		150 A (120 sec)
Other Parameter				
Recommend Depth of Discharge		80% DoD	90% DoD	90% DoD
Dimension (W × H × D) (Without hanging board)mm		370 × 548 × 140 mm		404 × 547 × 141 mm
Weight Approximate		41 kg		44 kg
LED Indicator		LED (SOC, working, protecting) & Buzzer		
IP Rating of Enclosure		IP21		
Operating Temperature		Charge: 0~55℃ / Discharge: -20~55℃	Charge: -10~55℃ / Discharge: -20~55℃	Charge: 0℃~55℃ Discharge: -20℃~55℃
Storage Temperature		0℃~35℃		
Relative Humidity		95% (non-condensing)		
Altitude		≤3000m		
Cycle Life		≥6000(25℃±2℃ ,70%EOL)		
Installation		Wall-Mounted, Floor-Mounted, Stack-Mounted		
Communication		CAN2.0, RS485, Bluetooth+APP		CAN2.0, RS485, Optional module, (WiFi+Bluetooth+APP)
Warranty Period [3]		5 years	10 years	
Energy Throughput [3]		8 MWh	16 MWh	
Certification		UN38.3, MSDS, CE, CB		UN38.3, MSDS, CE, CB, VDE2510-50, FCC, UL1973, UL9540A, CEC

[1] Max. 64 pcs can parallel with CAN-Box.

[2] Operating current is affected by temperature and SOC. This max. continuous current is only supported in lithium battery mode; for lead-acid mode, please refer to the manual for the max. continuous current.

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

ESS Solution

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Model

Main Parameters		SE-F12	SE-F12 Max	SE-F16	SE-F16 Max
Battery Chemistry		$LiFePO_4$			
Capacity		230 Ah		314 Ah	
Scalability [1]		Max. 32 pcs in parallel			
Nominal Voltage		51.2 V			
Operating Voltage		44.8 V ~ 57.6 V			
Nominal Energy		11.8 kWh		16 kWh	
Charge Current [2]	Max. Continuous	230 A		160 A	
	Peak	280 A (10 sec)			
Discharge Current [2]	Max. Continuous	230 A			
	Peak	280 A (10 sec)			
Other Parameter					
Recommend Depth of Discharge		90% DoD			
Dimension (W×H×D) (Without hanging board)mm		400 × 559 × 233	464 x 778 x 267	400 × 708 × 233	464 x 925 x 267
Weight Approximate		84 kg	≈95 kg	109 kg	≈123 kg
LED Indicator		LED (SOC, working, protecting) & Buzzer	LCD(SOC, Alarm), LED（Working）	LED (SOC, working, protecting) & Buzzer	LCD(SOC, Alarm), LED（Working）
IP Rating of Enclosure		IP21	IP65	IP21	IP65
Operating Temperature		Charge: 0～55℃（-20~55℃，12 Max/16 Max with Optional heating） Discharge: -20～55℃			
Storage Temperature		0℃~35℃			
Relative Humidity		95% (non-condensing)			
Altitude		≤3000m			
Cycle Life		≥6000(25℃±2℃ ,70%EOL)			
Installation		Wall-Mounted, Floor-Mounted, Stack-Mounted			
Communication		CAN2.0, RS485, Bluetooth+APP	CAN2.0, RS485, Optional module, (Wifi+Bluetooth+APP)	CAN2.0, RS485, Bluetooth+APP	CAN2.0, RS485, Optional module, (Wifi+Bluetooth+APP)
Warranty Period [3]		5 years / 10 years (extended warranty)	10 years	5 years / 10 years (extended warranty)	10 years
Energy Throughput [3]		18 MWh	37 MWh	25 MWh	50 MWh
Certification		UN38.3, CE, CB	UN38.3, CE, CB	UN38.3, CE, CB	UN38.3, CE, CB, UL1973, UL9540A, UL9540-DC, FCC

[1] Max. 64 pcs can parallel with CAN-Box.

[2] Operating current is affected by temperature and SOC. This max. continuous current is only supported in lithium battery mode; for lead-acid mode, please refer to the manual for the max. continuous current.

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

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Product comparison

Model	Nominal Energy	Charge/Discharge Rate	DoD	Warranty	Size
SE-F5	5.12kWh, 51.2V, 100Ah	1C/1.2C	80%	5years	370 x 548 x 140 mm
SE-F5 Plus	5.12kWh, 51.2V, 100Ah	1C/1.2C	90%	10years	370 x 548 x 140 mm
SE-F5 Pro	5.12kWh, 51.2V, 100Ah	1C/1C	90%	10years	404 × 547 × 141 mm
SE-F12	11.8kWh, 51.2V, 230Ah	1C/1C	90%	5years /10years(extended)	400 x 583 x 233 mm
SE-F12 Max	11.8kWh, 51.2V, 230Ah	1C/1C	90%	10years	464 x 778 x 267 mm
SE-F16	16kWh, 51.2V, 314Ah	0.5C/0.7C	90%	5years/10years(extended)	400 x 708 x 233 mm
SE-F16 Max	16kWh, 51.2V, 314Ah	0.5C/0.7C	90%	10years	464 x 925 x 267 mm

Mounting example

Stacked

Supports 6 layers in series (4 layers for SE-F16/F12 Max/F16 Max), allows multiple clusters in parallel

SE-F5 & SE-F5 Plus | SE-F5 Pro | SE-F12 | SE-F16 | SE-F12 Max | SE-F16 Max

Wall mounted

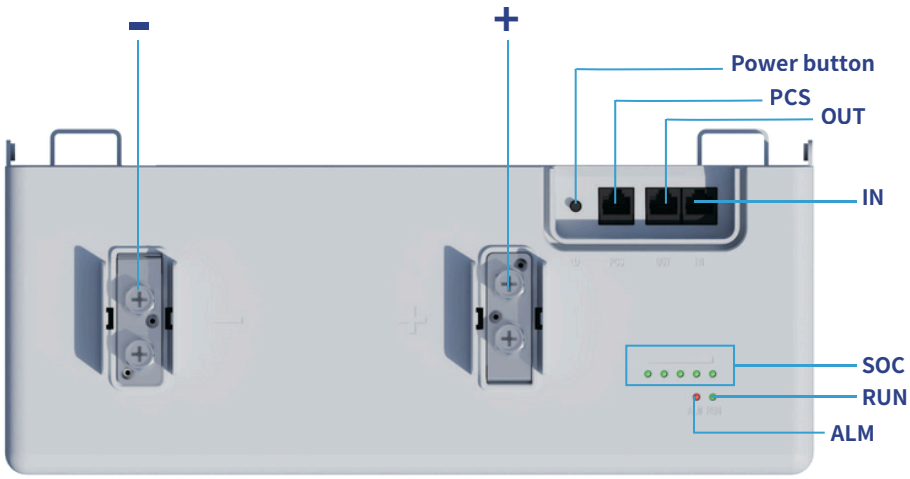
All support wall mounted installation, and support for multiple packs in parallel

SE-F5 & SE-F5 Plus | SE-F5 Pro | SE-F12 | SE-F16 | SE-F12 Max | SE-F16 Max

Optional wheels available for SE-F12 & SE-F12 Max & SE-F16 & SE-F16 Max

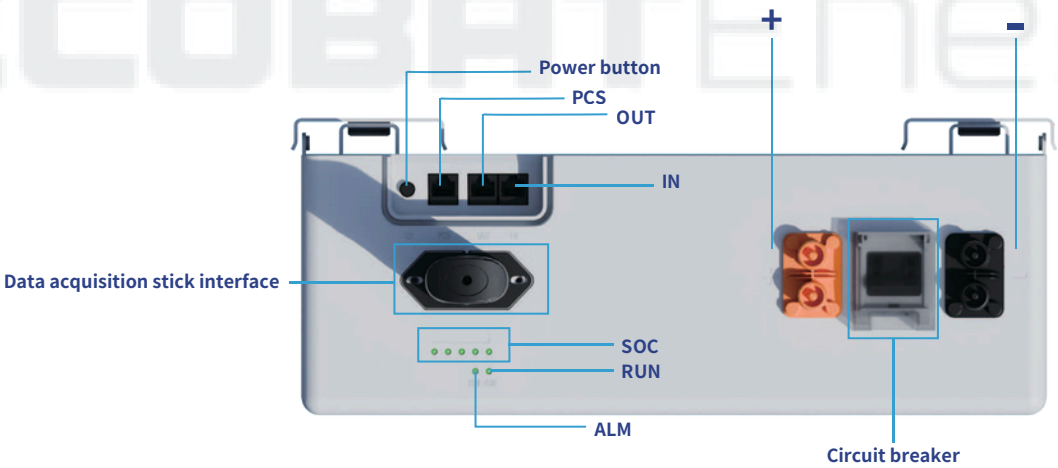
SE-F12 | SE-F16 | SE-F12 Max | SE-F16 Max

Model	SE-F5 & SE-F5 Plus & SE-F12 & SE-F16



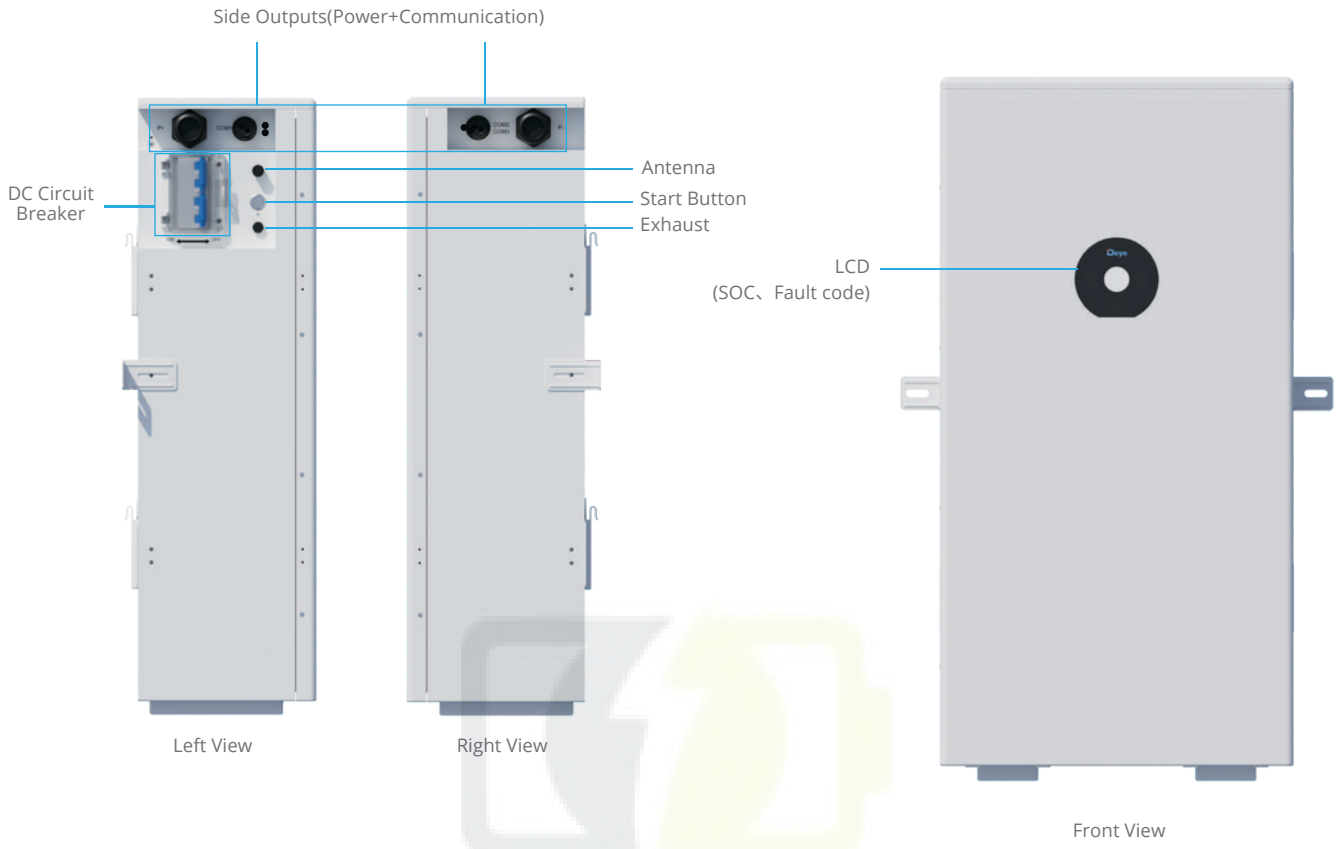
◎ -: Battery negative terminal connection position.
◎ +: Battery positive terminal connection position.
◎ SOC: These 5 LEDs are used to display the pack SOC and charge or discharge state.
◎ RUN light: green LED lighting to show the battery running status.
◎ ALM light: red LED lighting to show the battery has been alarmed .
◎ Power button: Power on or off the control battery.
◎ PCS: Inverter communication terminal:(RJ45port) follow the CAN protocol (baud rate:500kbps),and RS485(baud rate:9600bps),used to output battery information to the inverter.
◎ OUT: parallel Communication Terminal:(RJ45port) Connect "IN"Terminal of Next battery,for Communication between multiple parallel batteries.
◎ IN: parallel Communication Terminal: (RJ45 port) Connect "OUT" Terminal of Previous battery,for Communication between multiple parallel batteries.

Model	SE-F5 Pro

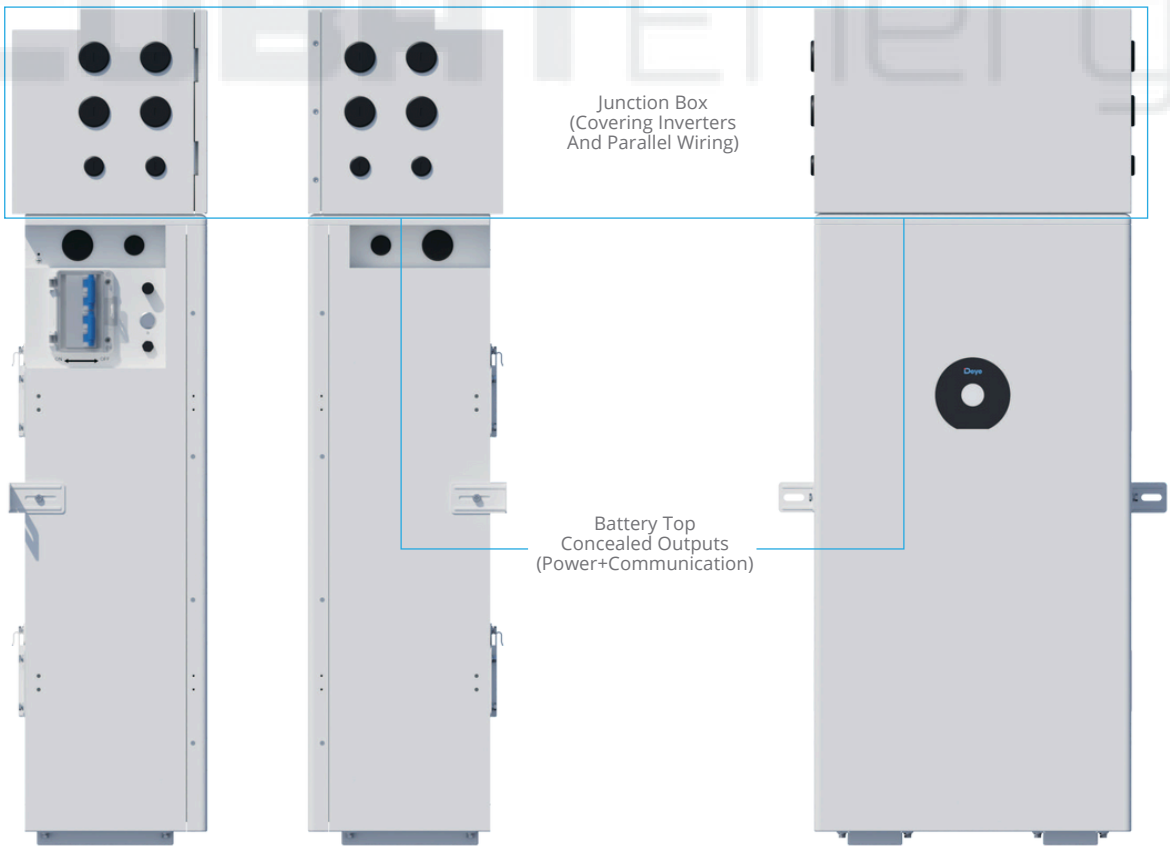


◎ -: Battery negative terminal connection position (Quickly plug and unplug).
◎ +: Battery positive terminal connection position (Quickly plug and unplug).
◎ SOC: These 5 LEDs are used to display the pack SOC and charge or discharge state.
◎ RUN light: green LED lighting to show the battery running status.
◎ ALM light: red LED lighting to show the battery has been alarmed .
◎ Power button: Power on or off the control battery.
◎ PCS: Inverter communication terminal: (RJ45port) follow the CAN protocol (baud rate:500kbps), and RS485(baud rate:9600bps), used to output battery information to the inverter.
◎ OUT: parallel Communication Terminal: (RJ45port) Connect "IN"Terminal of Next battery, for Communication between multiple parallel batteries.
◎ IN: parallel Communication Terminal: (RJ45 port) Connect "OUT" Terminal of Previous battery, for Communication between multiple parallel batteries.
◎ Circuit breaker: Used to manually control the connection between the battery rack and external devices.
◎ Data acquisition stick interface: The location to connect with your Data Logger that is used for data acquisition via WIFI or Bluetooth.

Without Junction Box (SE-F12 Max & F16 Max)



With Junction Box (SE-F16 Max)



SE-F Series Model Selection and Appearance Reference

Common version

LED strip version

Display screen version

Model	Config Version	Reference
SE-F5/F5 Plus/F5 Pro/F12/F16	L	
SE-F5/F5 Plus/F5 Pro/F12/F16	E	
SE-F5/F5 Plus/F5 Pro/F12/F16/F12 Max/F16 Max	C	

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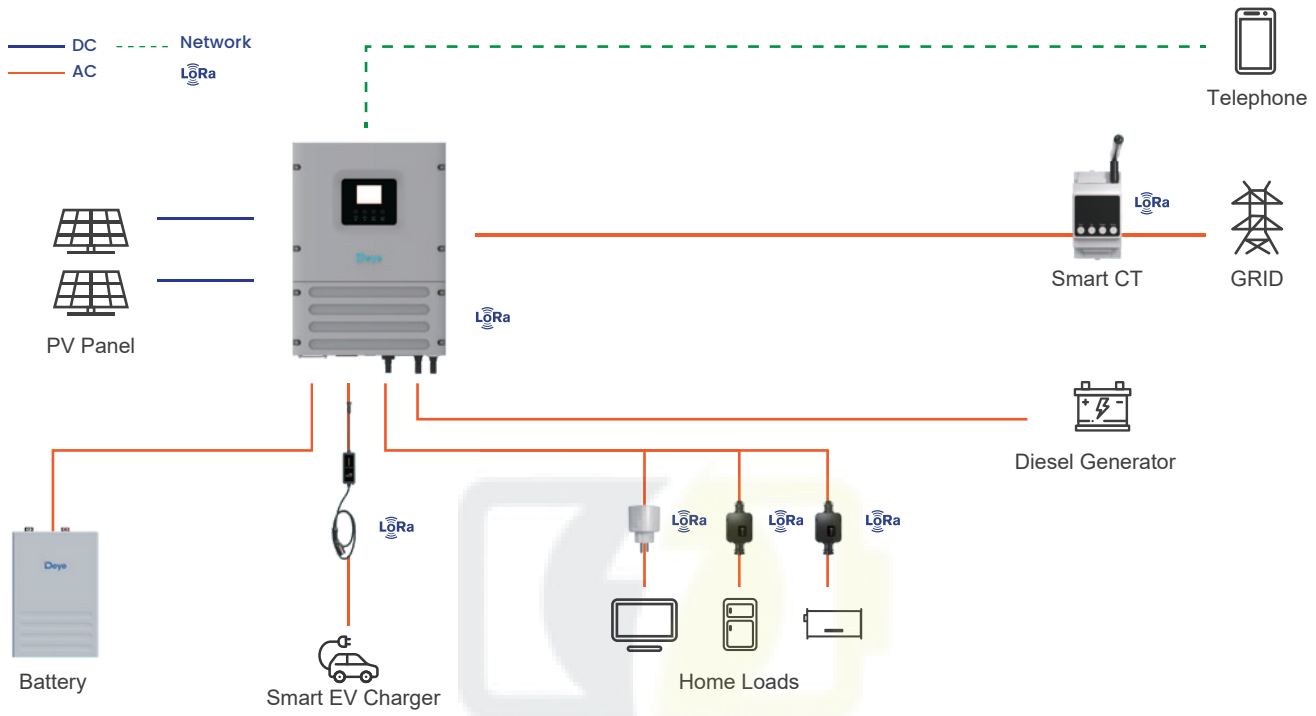
Deye Smart Energy Management System(Optional)

The Deye Smart Energy Management System enables seamless control with smart CT, smart plug, smart switch and solar EV charging, ensuring efficiency and full compatibility with Deye inverters.



Key Features

- **Wireless Zero Export Control**
  Enables seamless zero export without the need for complex wiring, simplifying installation.
- **Solar-Powered EV Charging**
  Supports 100%solar charging with dynamic power adjustment for enhanced efficiency and sustainability.
- **Intelligent Load Control**
  Automatically manages loads based on time schedules and battery SOC, optimizing energy distribution.
- **Full Compatibility**
  All Deye hybrid inverters can be upgraded to support this system, ensuring seamless integration with existing setups.
- **Precise Off-Grid Load Management**
  Ensures that only non-essential loads are disconnected during off-grid operation, maintaining power supply for critical applications.

Deye APP

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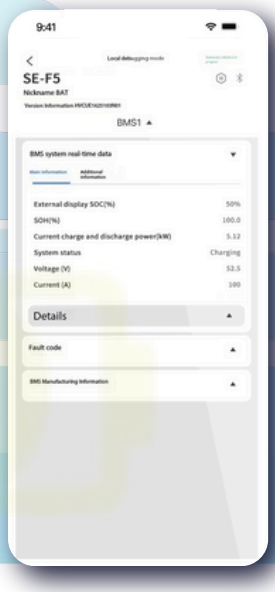
Local monitoring mode for battery

- Bluetooth APP Monitoring
- Low Power (Bluetooth LE)
- Automated upgrade
- Quick Pairing
- No Internet Needed
- Portable Control



Remote monitoring mode for ESS(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

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ECOBAT ENERGY - IMPORTATOR DIRECT

AVANTAJE EXCLUSIVISTE INSTALATORI & REVÂNZĂTORI B2B

Prețuri dedicate

Pentru Instalatori & Revânzători

Stoc permanent în România

Termene de plată

Până la 30 zile

Livrare imediată

24 - 48 ore

ECOBATEnergy

01

Prețuri dedicate

Pentru **Instalatori**
& **Revânzători**

Punem accent pe parteneriatele noastre și recunoaștem rolul vital pe care îl jucați în industria energiei solare.

De aceea, oferim prețuri dedicate și competitive pentru instalatori și revânzători.

Aveți avantajul de a obține produsele noastre la costuri atractive, ceea ce vă permite să maximizați profitabilitatea și să oferiți prețuri competitive clienților dumneavoastră.

Suntem aici să creștem împreună.

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Stoc permanent

02

Stoc permanent în România

Avem un stoc amplu de echipamente fotovoltaice în depozitul nostru din România.

Acest lucru ne permite să vă oferim posibilitatea de a ridica produsele imediat după comandă.

Nu trebuie să vă faceți griji cu privire la disponibilitatea sau întârzierile în livrare.

Suntem aici pentru a vă asigura că aveți acces rapid la echipamentele necesare pentru proiectele dvs.

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Termene de plată

03

Termene de plată
De până la **30 de zile**

Înțelegem că gestionarea fluxului de numerar este esențială în afacerea dumneavoastră.

Prin parteneriatul cu Ecobat Energy, puteți beneficia de **termene de plată extinse de până la 30 de zile**.

Aceasta vă oferă flexibilitate financiară și vă permite să vă gestionați resursele într-un mod eficient.

Lucrând cu **Ecobat Energy**, veți avea un partener de încredere, **importator direct**, care vă oferă toate facilitățile necesare pentru a vă dezvolta afacerea în domeniul energiei solare.

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04

Livrare imediată

Livrare în **24-48 de ore**
oriunde în România

Înțelegem importanța unei livrări rapide și eficiente, într-o piață din ce în ce mai concurențială.

Cunoaștem urgența cu care utilizatorul final își dorește să definitiveze proiectul.

Colaborând cu Ecobat Energy, beneficiați de livrarea comenzilor dvs. în termen de 24-48 de ore, indiferent de locația din România.

Ne angajăm să vă furnizăm produsele la timp, astfel încât să puteți continua proiectele în mod eficient.

ECOBATEnergy

Ești instalator sau revânzător de echipamente fotovoltaice?

Devino partener B2B EcobatEnergy
și **beneficiază acum** de toate
avantajele exclusive.

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