

PRODUCT PORTFOLIO 2026

Solar Inverters & Energy Storage Solutions.

From module-level power
to complete energy systems.



MICROINVERTERS

HYBRID INVERTERS

ENERGY STORAGE

9

FDE models

16

Hybrid inverter variants

5.12 kWh

SPS battery energy

02 / ABOUT SOLARUNIS

From Shanghai. For solar energy systems.

Founded in 2019 in Shanghai, China, Solarunis develops microinverters, energy-storage products and hybrid power-system solutions for residential, commercial and industrial applications.

One portfolio. Multiple system scales.

Explore module-level conversion, single-phase and three-phase hybrid inverters, split-phase solutions and residential energy storage.

For installers, distributors and project partners.

About Solarunis ↗

Inside this portfolio

- 03** Complete range
- 04** FDE microinverters
- 05** Residential & split-phase hybrid
- 06** Three-phase hybrid
- 07** C&I / high-power hybrid
- 08** SPS energy storage
- 09** Selected projects
- 10** Product selection matrix
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A commercial overview of the current product range. Detailed specifications and model-specific requirements remain in the linked Technical Data Sheets (TDS).

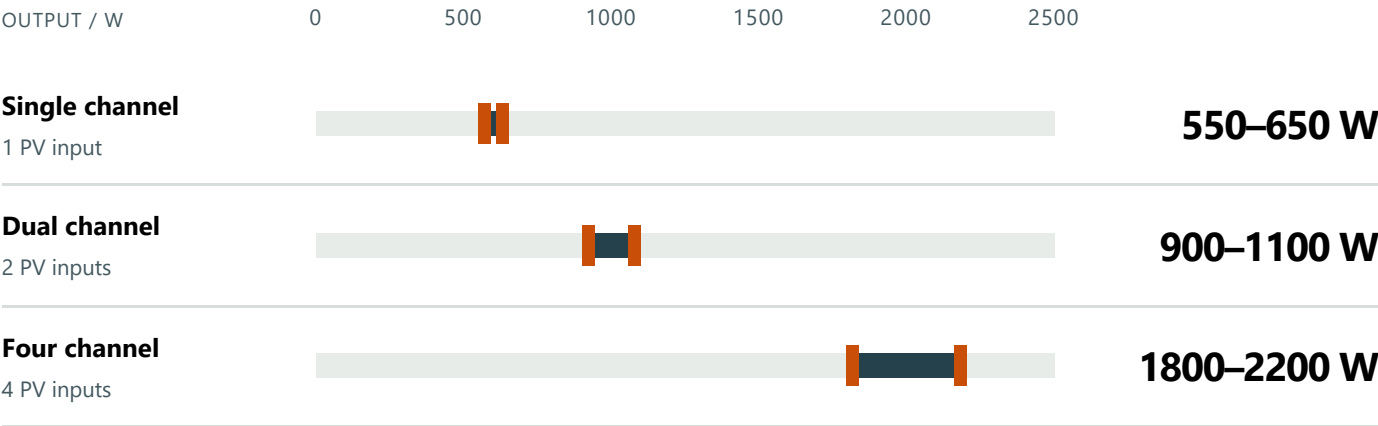
03 / COMPLETE PRODUCT PORTFOLIO

From module-level power to C&I systems.

Compare output power within each platform. Storage energy is shown separately.

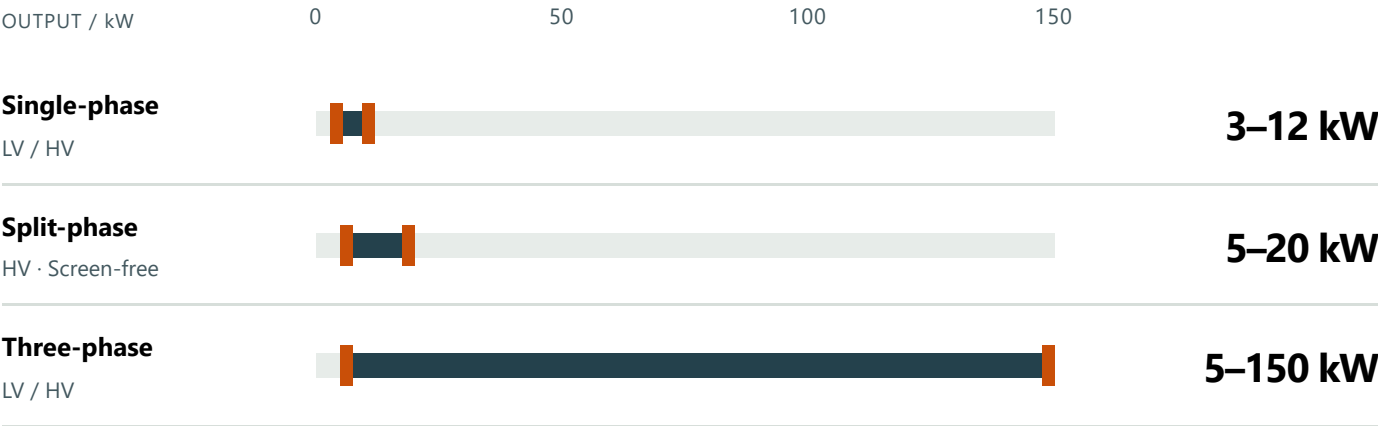
FDE microinverters

9 models · Continuous AC output



Hybrid inverters

16 variants · Residential to C&I



ENERGY STORAGE

SPS

Residential self-consumption & backup

5.12 kWh

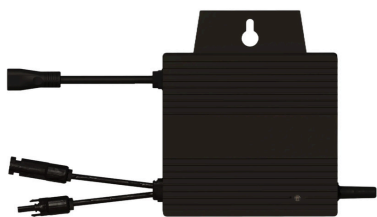
Battery energy

Each platform uses its own linear scale. Bars summarise the lowest and highest model ratings; not every intermediate rating is available. See the selection matrix and TDS for the exact variants.

04 / FDE MICROINVERTERS

Module-level power. Three input architectures.

Continuous AC output from 550–2200 W.



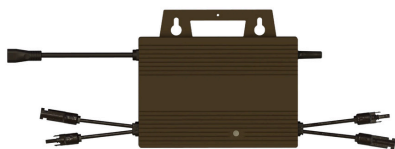
Single channel · 1 PV input

550–650 W

FDE550 / FDE600 / FDE650

Compact residential rooftops

[View Technical Data Sheet](#) ↗



Dual channel · 2 PV inputs

900–1100 W

FDE900 / FDE1000 / FDE1100

Residential and light-commercial arrays

[View Technical Data Sheet](#) ↗



Four channel · 4 PV inputs

1800–2200 W

FDE1800 / FDE2000 / FDE2200

Larger residential and distributed commercial arrays

[View Technical Data Sheet](#) ↗

Common platform

IP67 enclosure · Wi-Fi 2.4 GHz / Bluetooth 4.2 · Natural convection, no fans
Nominal AC: 230 V · 50 Hz.

05 / RESIDENTIAL & SPLIT-PHASE HYBRID

Choose the battery platform.

Single-phase LV / HV solutions, plus a dedicated split-phase HV range.



HY-01 · LV · Screen-free

3–6 kW

Single-phase · Battery 42–58 V

On/off-grid

3000S / 3600S / 4000S / 4600S / 5000S / 6000S

[View Technical Data Sheet](#)



HY-02 · LV · Screen-free

5–12 kW

Single-phase · Battery 30–60 V

On/off-grid · Gen · ×6*

D5K-SL / D6K-SL / D8K-SL / D10K-SL / D12K-SL

[View Technical Data Sheet](#)



HY-03 · HV · Screen-free

5–12 kW

Single-phase · Battery 125–800 V

On/off-grid · Gen · ×6*

D5K-SH / D6K-SH / D8K-SH / D10K-SH / D12K-SH

[View Technical Data Sheet](#)



HY-06 · HV · Screen-free

5–20 kW

Split-phase · Battery 80–480 V

On/off-grid · Gen

U5K-PH / U6K-PH / U8K-PH / U10K-PH / U12K-PH / U15K-PH / U20K-PH

[View Technical Data Sheet](#)



HY-07 · LV · Integrated display

3–6 kW

Single-phase · Battery 30–60 V

On/off-grid · Gen · ×6*

S3K-SL-S / S4K-SL-S / S5K-SL-S / S6K-SL-S

[View Technical Data Sheet](#)



HY-08 · LV · Integrated display

5–12 kW

Single-phase · Battery 30–60 V · 2 inputs

On/off-grid · Gen · ×6*

D5K-SL-S / D6K-SL-S / D8K-SL-S / D10K-SL-S / D12K-SL-S

[View Technical Data Sheet](#)



HY-09 · LV · Integrated display

8 kW

Single-phase · Battery 30–60 V

On/off-grid · Gen · ×6*

E8K-SL-S

[View Technical Data Sheet](#)



HY-10 · LV · Integrated display

10–12 kW

Single-phase · Battery 30–60 V · 51.2 V rated

On/off-grid · Gen · ×6*

E10K-SL-S / E12K-SL-S

[View Technical Data Sheet](#)

LV = low voltage. HV = high voltage. Gen = generator input. ×6* = up to 6 units in parallel, off-grid mode only; follow the model-specific TDS and system design.

06 / THREE-PHASE HYBRID

Three-phase systems. LV and HV options.

Compare the battery platform, power range and interface before opening the TDS.



HY-04 · LV · Screen-free

5–12 kW

Three-phase · Battery 30–60 V

On/off-grid · Gen · ×6*

D5K-TL / D6K-TL / D8K-TL / D10K-TL / D12K-TL

[View Technical Data Sheet ↗](#)


HY-05 · HV · Screen-free

5–20 kW

Three-phase · Battery 125–800 V

On/off-grid · ×6*

5000T / 6000T / 8000T / 10000T / 12000T / 15000T / 18000T / 20000T

[View Technical Data Sheet ↗](#)


HY-11 · LV · Integrated display

5–9 kW

Three-phase · Battery 30–60 V

On/off-grid · Gen · ×6*

C5K-TL-S / C6K-TL-S / C8K-TL-S / C9K-TL-S

[View Technical Data Sheet ↗](#)

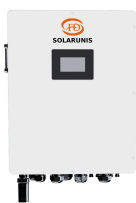

HY-12 · LV · Integrated display

5–12 kW

Three-phase · Battery 30–60 V · 2 inputs

On/off-grid · Gen · ×6*

D5K-TL-S / D6K-TL-S / D8K-TL-S / D10K-TL-S / D12K-TL-S

[View Technical Data Sheet ↗](#)


HY-13 · LV · Integrated display

15–30 kW

Three-phase · Battery 30–60 V · 2 channels

On/off-grid · Gen · ×6*

W15K-TL-S / W18K-TL-S / W20K-TL-S / W25K-TL-S / W29.9K-TL-S / W30K-TL-S

[View Technical Data Sheet ↗](#)

LV / HV refers to the battery platform, not battery-brand compatibility. Gen = generator input. ×6* = up to 6 units in parallel, off-grid mode only; follow the model-specific TDS and system design. HY-13 nominal frequency: confirm with Solarunis.

07 / C&I / HIGH-POWER HYBRID

Scale up to 150 kW.

Three-phase HV configurations for commercial and industrial system selection.

HY-14 · HV · Integrated display

22–50 kW

Three-phase · Battery 140–800 V · 2 inputs

On/off-grid · Gen · ×6*

L22K-TH-S / L25K-TH-S / L29.9K-TH-S / L30K-TH-S / L40K-TH-S / L42.5K-TH-S / L50K-TH-S

[View Technical Data Sheet](#) ↗



HY-15 · HV · Integrated display

25–60 kW

Three-phase · Battery 140–800 V · 2 inputs

On/off-grid · Gen · ×6*

L25K-TH-S / L29.9K-TH-S / L30K-TH-S / L40K-TH-S / L42.5K-TH-S / L50K-TH-S / L60K-TH-S

[View Technical Data Sheet](#) ↗



HY-16 · HV · Integrated display

75–150 kW

Three-phase · Battery 500–950 V · 2 channels

On/off-grid · Gen · ×6*

M75K-TH-S / M100K-TH-S / M125K-TH-S / M150K-TH-S

[View Technical Data Sheet](#) ↗



HY-14 covers 22–50 kW; HY-15 covers 25–60 kW. Model identifiers overlap across these separate TDS ranges. Confirm the applicable configuration and TDS with Solarunis before specification. Gen = generator input. ×6* = up to 6 units in parallel, off-grid mode only; follow the model-specific TDS and system design.

08 / SPS ENERGY STORAGE

Store solar. Support the home.

Residential self-consumption and backup.



SPS · ENERGY STORAGE

SPS · 5.12 kWh battery

2.4 kW rated backup · 0.8 kW grid output

SPS-2.4KW/5.12KWh-PP

5.12 kWh

Battery capacity

2.4 kW

Rated backup output

0.8 kW

Grid output

PV & grid integration

2 MPPT inputs · 2 × 1000 W maximum PV input.

2.4 kW input / 0.8 kW output.

Nominal AC: 230 V · 50 Hz.

System interface

Bluetooth / Wi-Fi · LED display.

IP65 hybrid module enclosure.

[View Technical Data Sheet](#) ➔

The SPS is specified as a complete system. Confirm with Solarunis before pairing it with other inverters or batteries.

09 / SELECTED PROJECTS

Solarunis in the field.

Selected installations using Solarunis FDE1100 microinverters.



Wujiang District, Suzhou, Jiangsu, China

Suzhou commercial rooftop

385 kW

Reported project capacity

A commercial rooftop installation in Wujiang District, Suzhou, using Solarunis FDE1100 microinverters.

[View project ↗](#)



Danyang City, Jiangsu, China

Danyang solar parking canopy

248.5 kWp

Installed panel capacity · DC

350 solar modules on a steel parking canopy, paired with Solarunis FDE1100 dual-input microinverters.

[View project ↗](#)



Minhang District, Shanghai, China

Shanghai factory rooftop

19.8 kW

Installed inverter capacity · AC

A grid-connected factory rooftop in Minhang, Shanghai, using 18 Solarunis FDE1100 microinverters.

[View project ↗](#)

Each capacity is stated as reported for that project. DC panel capacity and AC inverter capacity are different measures, and neither is measured energy yield.

10 / PRODUCT SELECTION MATRIX

Shortlist the right family.

SF = screen-free · ID = integrated display · LV / HV = battery voltage class.

Current product range and corresponding English Technical Data Sheets

Family / format	Phase	Battery	Range	AC reference*	TDS
FDE · 1 input	Single-phase	—	550–650 W	230 V · 50 Hz	TDS ↗
FDE · 2 inputs	Single-phase	—	900–1100 W	230 V · 50 Hz	TDS ↗
FDE · 4 inputs	Single-phase	—	1800–2200 W	230 V · 50 Hz	TDS ↗
HY-01 · SF	Single-phase	LV	3–6 kW	230 V · 50/60 Hz	TDS ↗
HY-02 · SF	Single-phase	LV	5–12 kW	230 V · 50/60 Hz	TDS ↗
HY-03 · SF	Single-phase	HV	5–12 kW	230 V · 50/60 Hz	TDS ↗
HY-04 · SF	Three-phase	LV	5–12 kW	230/400 V · 50/60 Hz	TDS ↗
HY-05 · SF	Three-phase	HV	5–20 kW	230/400 V · 50/60 Hz	TDS ↗
HY-06 · SF	Split-phase	HV	5–20 kW	120/240 V · 50/60 Hz	TDS ↗
HY-07 · ID	Single-phase	LV	3–6 kW	230 V · 50/60 Hz	TDS ↗
HY-08 · ID	Single-phase	LV	5–12 kW	230 V · 50/60 Hz	TDS ↗
HY-09 · ID	Single-phase	LV	8 kW	230 V · 50/60 Hz	TDS ↗
HY-10 · ID	Single-phase	LV	10–12 kW	230 V · 50/60 Hz	TDS ↗
HY-11 · ID	Three-phase	LV	5–9 kW	230/400 V · 50/60 Hz	TDS ↗
HY-12 · ID	Three-phase	LV	5–12 kW	230/400 V · 50/60 Hz	TDS ↗
HY-13 · ID	Three-phase	LV	15–30 kW	230/400 V	TDS ↗
HY-14 · ID	Three-phase	HV	22–50 kW	230/400 V · 50/60 Hz	TDS ↗
HY-15 · ID	Three-phase	HV	25–60 kW	230/400 V · 50/60 Hz	TDS ↗
HY-16 · ID	Three-phase	HV	75–150 kW	230/400 V · 50/60 Hz	TDS ↗
SPS · 2.4 kW / 5.12 kWh	Single-phase	51.2 V rated	5.12 kWh	230 V · 50 Hz	TDS ↗

*AC values show one documented nominal configuration, not market approval. Confirm frequency for HY-13. SPS label: backup kW / battery kWh; grid output 0.8 kW. SPS range is battery energy; other ranges are output power. See the TDS for alternative voltages, model limits and compatibility.

HY-14 / HY-15: confirm the applicable TDS. Split-phase voltage: configure for the target grid.

11 / CONTACT & TECHNICAL DOCUMENTS

Let's discuss your next project.

Contact Solarunis for product selection, commercial conditions and project support.

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CONTINUE YOUR SELECTION

**Portfolio → Family → TDS
→ Project discussion**

Technical Data Sheets ↗

Explore all products ↗



Technical document library

solarunis.com/resources/

Open the linked English TDS for detailed model data, operating limits and installation requirements.

Edition October 2026 · English

Specifications subject to change; the current TDS applies. Confirm the exact configuration and market requirements with Solarunis before ordering.