



The Global Pioneer of Plug-in HEMS



SolarFlow 4000 Mix Series

Mix is the real Max.

Scenarios



Power Tomorrow, Start at Home.

ZEN+HOME is Zendure's future-ready smart home energy solution. It does more than connect solar, storage and household power. It helps every home become a cleaner, more independent and more resilient energy unit. In the past, homes simply consumed electricity. Now, they can produce, store and optimize energy, extending clean power from the living space into everyday life and greener mobility. ZEN+HOME is not only about home energy management; it represents a new way of living, where households move from passive consumption to active control over their own energy.

We believe a truly sustainable future is not built only through large-scale energy transitions. It also begins with the everyday choices made at home. When clean energy becomes part of daily life, every home moves closer to energy independence, and a more sustainable future moves closer to all of us. Power Tomorrow, Start at Home. Because the future of energy does not begin somewhere far away. It begins at home.

HEMS 2.0: Evolved Intelligence. Unified Control.

HEMS 2.0 is an advanced Home Energy Management System providing intelligent, automated control over your entire home energy ecosystem.

Key features include:

- **Faster, Smarter Control:** New AI modes boost efficiency and prediction accuracy.
- **Wider Compatibility:** Supports more devices, platforms, and dynamic tariffs.
- **Better User Experience:** Upgraded interface and targeted optimizations.
- **Intelligent Insights:** Transparent, adaptive decision-making with ZENKI 2.0.



ZENKI ™ Smarter Energy Decisions, Better Savings

ZENKI™ 2.0 is an advanced AI Agent engineered specifically for home energy management, marking a pivotal evolution from simple smart usage to a comprehensive, intelligent service.

The system's core strength lies in its predictive capability, providing 24-hour forecasting for both energy generation and household consumption. This foresight enables the execution of truly intelligent charge-and-discharge schedules.

Ultimately, ZENKI™ 2.0 dramatically optimizes a home's overall energy use, delivering a seamless experience while achieving the most favorable cost structure and maximizing savings for the household.

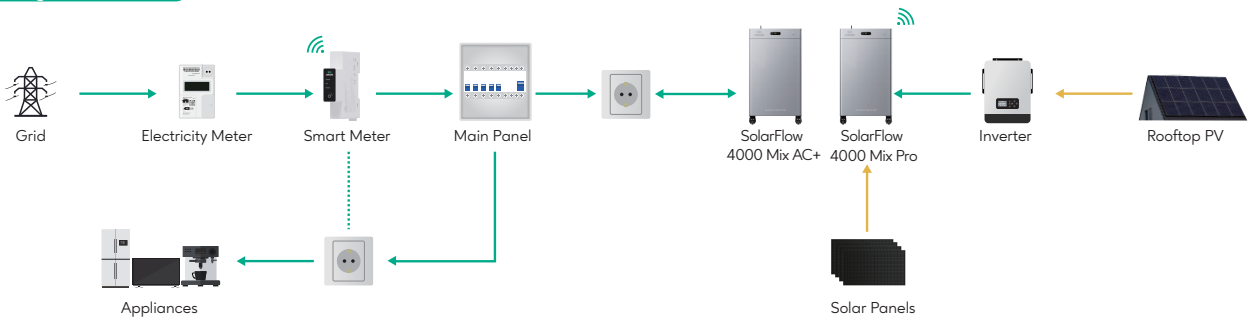
ZenWave™ ™ Dynamischer Tarif

ZenWave™ is Zendure's dynamic electricity tariff service. With Zendure's products and services, users can achieve electricity usage that is more cost-saving, more effortless, and more sustainable. ZenWave™ makes electricity usage cheaper and greener. When combined with ZENKI™, electricity usage becomes even simpler.

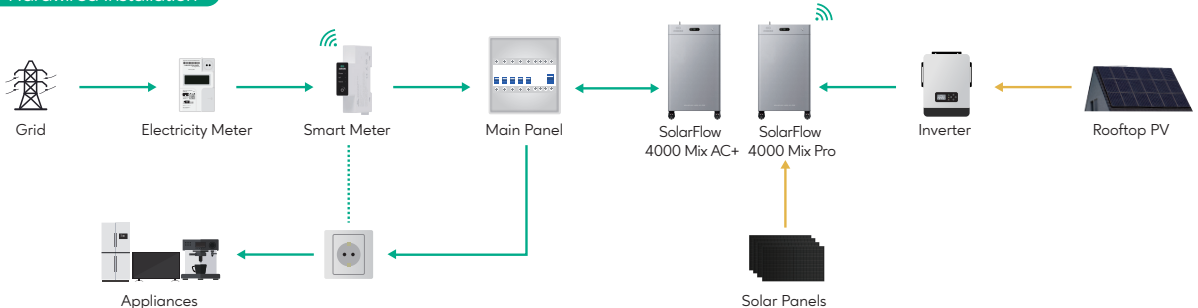
*Available in Germany now.

Flexible Installation Options

Plug-in Installation



Hardwired Installation



Superior Performance, Faster ROI.

SolarFlow 4000 Mix AC+: Better for adding storage to an existing solar system.



Couple

Annual Consumption:

5000kWh

Estimated Savings:

€1760

Self-Consumption Savings:

88%

Payback Period:

2.13 years

SolarFlow 4000 Mix Pro: Better for new installs and larger solar input.



Family

Annual Consumption:

7000kWh

Estimated Savings:

€2560

Self-Consumption Savings:

91%

Payback Period:

2.60 years

SolarFlow 4000 Mix Series



Parameter		SolarFlow 4000 Mix Pro	SolarFlow 4000 Mix AC+
PV Input	Max. PV Input Current(Imp)	2*17.2A DC	N/A
	Max. PV Input Current(Isc)	2*18A DC	
	Max. PV Input Power	8000W(2*4000W)	
	Max. PV Input Voltage	400V DC	
	Operating Voltage Range	30-400V DC	
On-grid Terminal	Nominal Input/Output Voltage	230V AC	
	Nominal Input/Output Frequency	50Hz	
	Nominal AC Output Power	800W (Default) / 4000W (Premium*) / 5000W (with AC-Coupled Inverter*)	
	Nominal AC Output Current	3.5A AC(Default) / 17.4A AC(Premium*) / 21.7A AC(with AC-Coupled Inverter*)	
	Max. AC Input Power	800W (Default) / 4000W (Premium*)	
	Max. AC Input Current	3.5A AC(Default) / 17.4A AC(Premium*)	
Off-grid Terminal	Nominal Input/Output Voltage	230V AC	
	Nominal Input/Output Frequency	50Hz	
	Nominal AC Output Power	3680VA	
	Peak AC Output Power	7200VA (@200ms)	
	Max. AC Output Current	16A a.c	
	Max. AC Input Power	3680VA	
	Max. AC Input Current	16A a.c	
PV-IN AC Terminal	Nominal Input Voltage	230V AC	
	Nominal Input Frequency	50Hz	
	Max. AC Input Power	5000VA	
	Max. AC Input Current	21.7A a.c	
General Information	Battery Type	LiFePO4	
	Battery Rated Energy	8038.4Wh	
	Battery Cycle	10000	
	Max. Charge/Discharge Power	4000W / 10000W （with additional battery pack）	
	Protection Class	Class I	
	Operating Temperature	-20° C to 55° C	
	Type of Enclosure	IP65	
	Dimensions	462*234*820mm	
	Weight	82kg	
	Communication Interfaces	Wi-Fi, Bluetooth, App, LAN, RS485	

*Enabling this function must comply with local regulations and must be performed by professional technician.



High power output. Built for Peak home loads.



The SolarFlow 4000 Mix Series delivers up to 4kW bi-directional AC power for broader coverage of high-demand household appliances and reduced grid reliance during peak usage. With PV passthrough output up to 5kW, the system supports more demanding residential energy applications.



Stronger for new installs. Smarter for retrofits.



- SolarFlow 4000 Mix Series is compatible with existing rooftop PV inverter systems and features a dedicated AC-coupled PV input up to 5kW for seamless storage retrofits with minimal installation changes.
- SolarFlow 4000 Mix Pro supports up to 8kW dual high-voltage MPPT. Combined with up to 5kW AC-coupled PV input, the system delivers up to 13kW total solar input for larger residential PV systems.



Strong on day one. Ready to scale later.

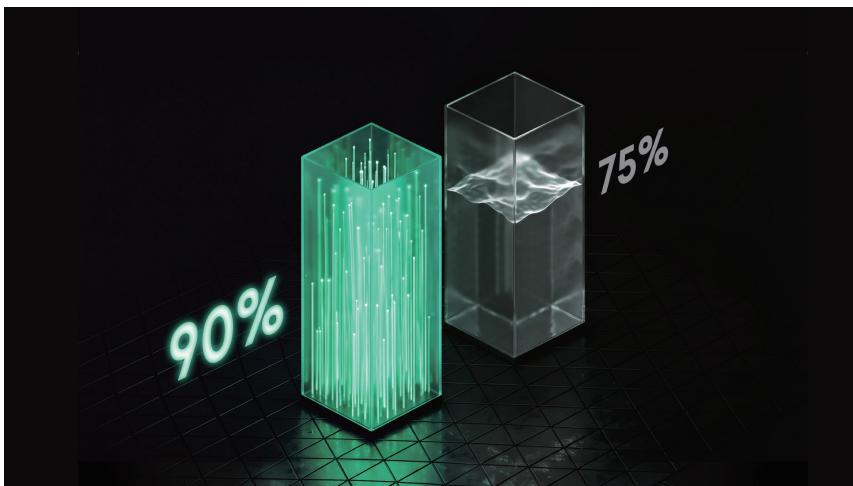


Each unit starts with 8kWh of capacity—already close to the essential daily use of many homes. When you need longer backup, heavier loads, or a bigger energy system, it scales with you.

* Expansion batteries for SolarFlow 4000 Mix Pro & SolarFlow 4000 Mix AC+ will be announced in the near future.



Store more. Keep more.



A 90% round-trip efficiency means less energy lost between charging and discharging. For homes cycling daily, that translates into more usable power and stronger savings over time.

*Panel-side efficiency: $95\% \times 95\% \approx 90\%$ RTE (lab tested by Zendure). Actual results may vary with conditions.



Stay powered through the outage—day or night.



At night, it keeps essential loads running through stable off-grid output, while 7.2kW peak power helps handle startup-heavy appliances. During daytime outages, connected solar can keep charging the system, turning backup power into a more complete off-grid capability.



Easy to start. Easier to upgrade.



Begin with plug-in installation and expand to hardwired setup and solar integration as needed. Built-in LAN / RS485 communication ensures stable and reliable system connectivity across all configurations.



Built for daily cycling. Built for the long run.



With 10,000 cycles, SolarFlow Mix Series is made for frequent use and long-term value. Based on two full cycles per day, it can deliver up to around 15 years of service life, with EOL SOH remaining at 70%—well beyond typical short-life systems.



ZenGuard Battery Safety Protection System



- **Dual BMS Architecture**: A more complete monitoring framework helps track battery status more closely and respond earlier to potential issues.
- **Intelligent Battery Self-Maintenance**: Smart maintenance strategies help protect battery health over time and support more reliable long-term performance.
- **Condensed Aerosol Fire Suppression System**: In the event of a serious abnormal condition, it adds an extra layer of active protection.



The Global Pioneer of Plug-in HEMS

Founded in 2017, Zendure is one of the fastest-growing EnergyTech start-ups located in the technology hubs of Silicon Valley, USA, and the Greater Bay Area, China, Japan, and Germany.

Our purpose is to accelerate a sustainable future.

Our mission is to deliver reliable and affordable clean energy for households worldwide by popularizing the latest EnergyTech.

 German site: <https://zendure.de>

 French site: <https://zendure.fr>

 Netherlands site: <https://zendure.nl>

 European site: <https://eu.zendure.com>

Contact us

Support: support@zendure.com

Marketing: de.marketing@zendure.com

Distributors: sales@zendure.com



eu.zendure.com

ZD-SF4000Mix Series-ZY-EN-V01