



Butterfly

Home Energy Storage

The energy revolution starts right in your own home

Introducing the new UZ Butterfly.
The all-in-one storage system designed to
power your everyday life – day and night.



Producing, storing and enjoying your own clean electricity should be an effortless experience. In fact, the less you need to think about it, the more you know a solution is the right one for your household.

The UZ Butterfly is a premium storage solution for smart homes. With its efficient storage performance and intuitive

management platform, it seamlessly optimizes the output of your self-produced clean energy, so you can spend your time on the things that really matter to you.

For European countries and Australia, a separate PCS design is adapted. For more information, please refer to the specifications sheet at the back of this brochure.



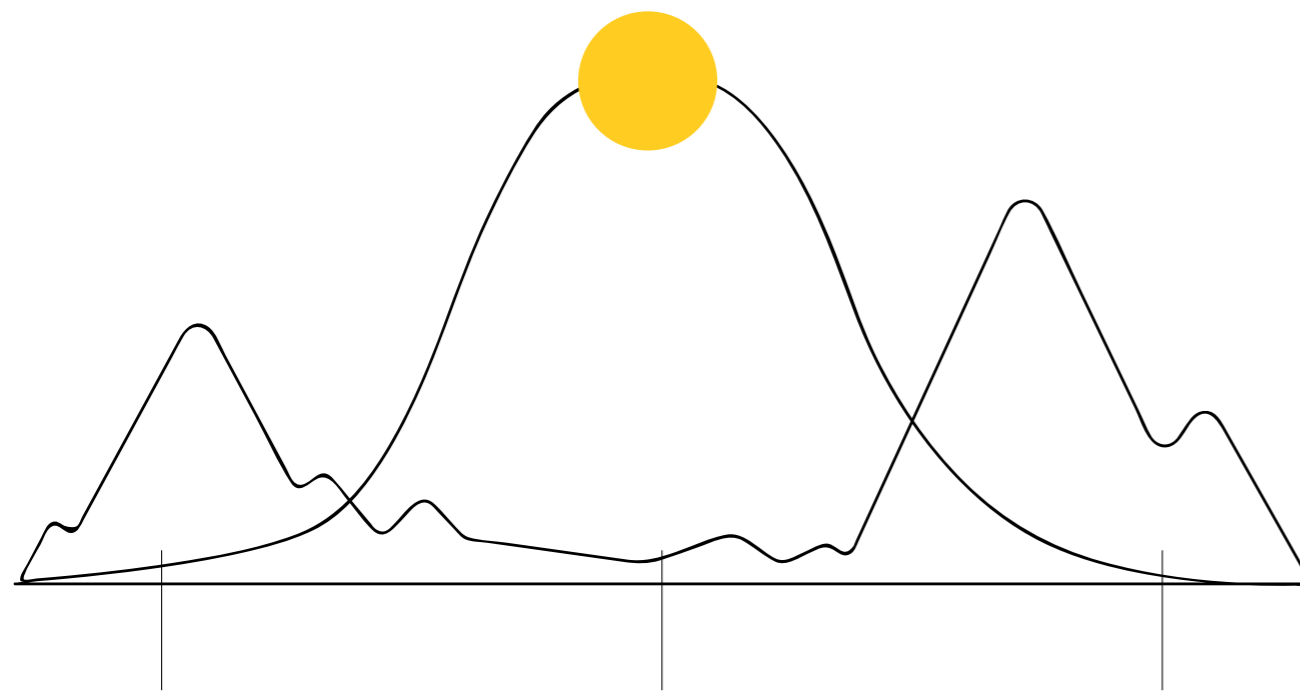
Do you want to
know more?

Get in touch with our sales
department today

Call +86 755 83128098
Write marketing@uzenergy.com

Shine on. Even at night.

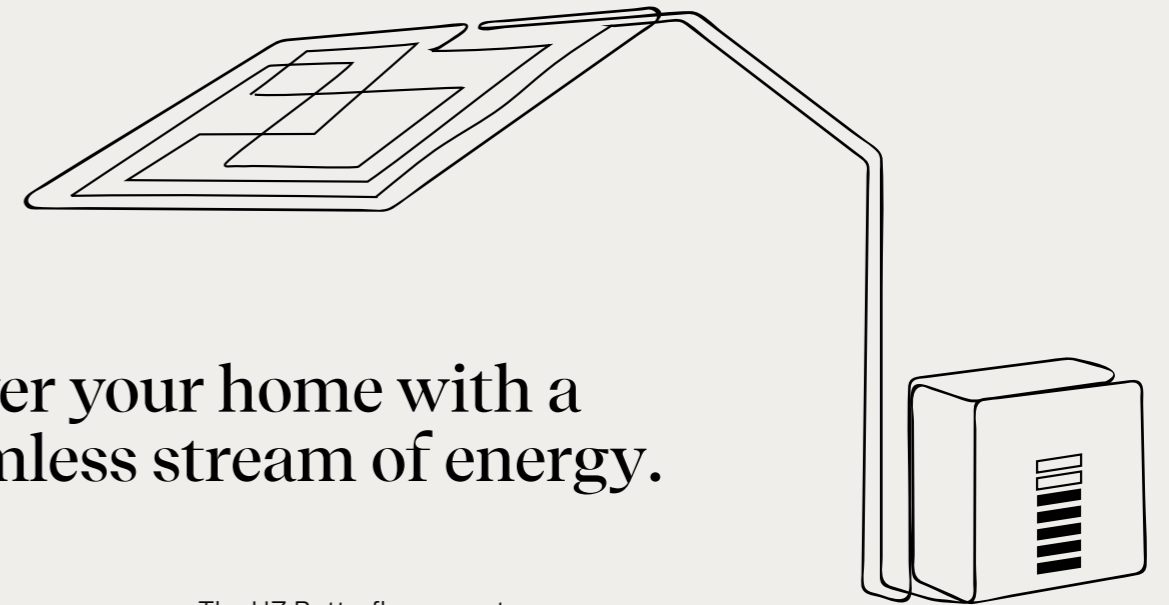
A typical household has the highest energy usage in the mornings and evenings when the family is home. During the day, when the sun is up and energy demands are low, Butterfly intelligently stores surplus energy, and makes it available for when you need it.



In the mornings, previously stored energy powers your family's routines.

During the day when the sun is up, energy produced by your solar panels is stored on the Butterfly.

In the evening, your battery is charged and ready to power your home.



Power your home with a seamless stream of energy.

The UZ Butterfly connects easily to your solar panels to store any excess energy for later use in your home.

Simple, superior overview.




With the UZ Portal app on your smartphone, you always know exactly how your home energy system is performing. Keep track of helpful information like energy production and usage.

See what's stored on your battery in real-time and how much energy you have sold back into the power grid.



uzenergy-portal.com



Wherever you find
your energy.

Shine on.

The energy revolution has begun.
And it's happening right in your own home with
the new-found freedom to produce, store and
enjoy your own clean electricity.

With our premium home energy storage systems,
all you need, to keep your everyday running,
is a bit of sunshine.

At UZ, we believe that every smart home
deserves the opportunity to run on the
good kind of energy. Premium solutions
that store solar power during the day, for
you to use whenever you need it.

We all have a choice. But doing good
should always be the easy decision.
So forget about unflattering batteries,
difficult installations and complicated
software. Instead, say 'welcome home' to

integrated solutions made from the saf-
est high-quality components out there.
We work with the best in the industry to
design everything to compliment your
home and to keep you updated with
useful overviews of your personal green
power plant.

So what are we waiting for?
The sun is already up.



UZ Energy

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Excellence City
128 Zhongkang Rd.
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uzenergy.com



PV Data

Max power	6 kW
Rated Voltage	180 V
MPP Voltage Range	125 ~ 225 V
Max input voltage	200 V
No. of MPP input	2

Battery data

Total energy*	12 kWh
Nominal voltage	102.4 V
Working voltage range	89.6 ~ 116.8 V
Max DC Power	5.5 kW
Max DC Current	25 A

AC Data

Nominal AC Power	5 kW
Max AC Power	6 kW
Mac AC Current	24 A
Total harmonic distortion	<3 %
Nominal grid voltage	230 V
Permissible AC Voltage range	184 ~ 264 V
Nominal AC Frequency	50 Hz
Nominal Power Factor	>0.99

EPS Output

Nominal output	5 kW
Nominal current	21.7 A
Off-grid voltage range	230 ± 1 %
Off-grid voltage THD	<3 %**
Peak power	10 @ 10s kW
Switching time	500 ms

Efficiency

PV to grid	97.5 %
Battery to grid	94.0 %

General data

Dimensions W × H × D	570 × 1700 × 550 mm
Weight	~ 300 kg
Working temperature range	0 ~ 55 °C †
Relative humidity	0 ~ 95% ††
Altitude	4000 m ‡
Communication	RS485 / GPRS / CAN
Warranty	5 years

Please note: For European countries and Australia, a separate PCS design is adapted. In these regions, Butterfly only contains a battery. As such, the battery capacity is up to 25 kWh, and the recommended PCS is UZ C-series HV Hybrid Inverter.

* Test conditions: 100%, DOD, 0.5C charge & discharge @25 °C ** Linear load connected † >45 °C lower power †† No condensing ‡ >2000 m lower power