

All-in-one Liquid Cooled



105 kW
233 kWh

10 years
warranty as
a standard

300+
operational
systems in
the field

HIGHLIGHTS



BESS + EMS

Our integrated energy management solutions give you full control of your energy, while iwell takes full responsibility.



EU cyber security

Data and communication are managed by iwell in the EU and fully encrypted. We are compliant with ISO 9001, ISO 27001, NIS2 and IEC 62619.



Fully customizable

From a single unit to unlimited scale. Scalable at any moment in time. Making your business future-proof.

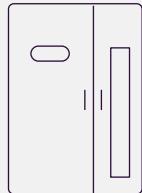


24/7 predictive asset management

Maximum reliability through continuous and predictive monitoring. Peace of mind due to 24/7 response to failures.

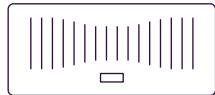
Specifications

All-in-one cabinet



Item	Parameters
AC Voltage	400 VAC
Power	105 kW
Power Factor	0 - 1 (leading or lagging)
Off-grid Capabilities	Upon request
Frequency	50 / 60 Hz
THDi	<3% IEEE519
Battery Energy	233 kWh
Battery Configuration	1p5s
Max Chiller Power	2.8 kW
Typical Aux Power	3.5 kW
RTE (Round trip efficiency)	89% (AC SPOC)
IP Rating	IP 55

Pack (5x)



Item	Parameters
Rated Energy	46.6 kWh
Rated Power	23.3 kW
Rated Capacity	280 Ah
Nominal Voltage	166 V DC
Voltage Range	143 - 187.2 V
IP Rating	IP 65
Cooling	Liquid Cooled
Cell configuration	1p52s

Cell (5x52)



Item	Parameters
Chemistry	LFP
Rated Energy	896 Wh
Rated Capacity	280 Ah
Rated Voltage	3.2 V DC
Voltage Range	2.5 - 3.65 V DC
Weight	5.5 kg
Producer	CATL



Cabinet

Dimensions 1350 x 1300 x 2050 mm

Weight 2600 kg

PRODUCT HIGHLIGHTS



Fast delivery times

Local stock and service.
Delivery time of 4 weeks
starting from Q1 2026.



High performance

Liquid cooled modules with tier 1
CATL cells, with > 8000 cycles.
10 year warranty as a standard.



Plug & play

Integrated battery and PCS
in a single cabinet. Easy to install
by connecting one cable directly
to 400VAC three phase power.

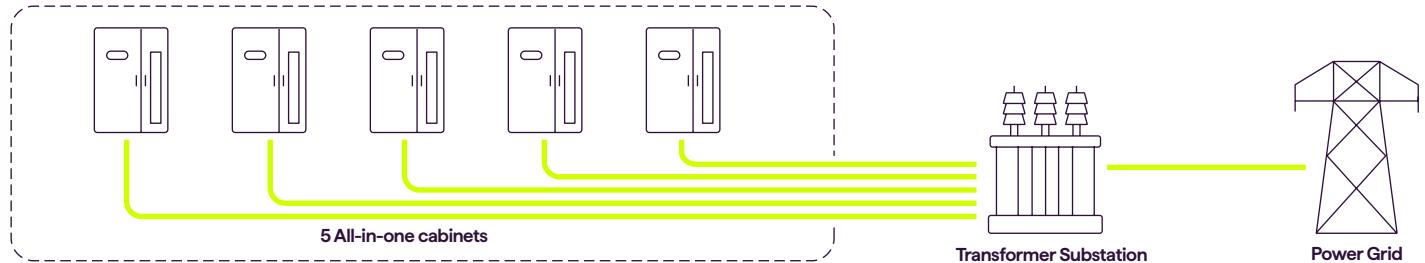


Inherently robust design

Highly modular design ensures
seamless operation; if one module
fails, the remaining modules
continue functioning.

Configuration

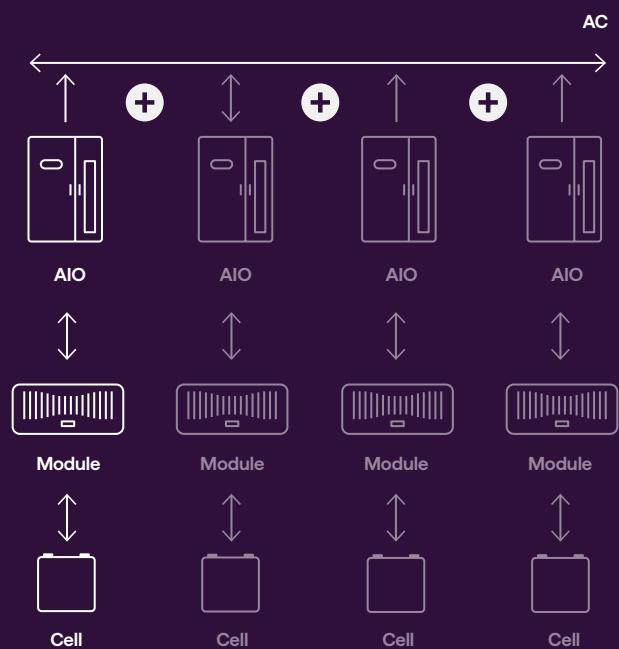
Example



Configuration options

Number of AIos	1	2	3	4	5	6	7	8	9	n
Power (kW)	105	210	315	420	525	630	735	840	945	105*n
Energy (kWh)	233	466	699	932	1165	1398	1631	1864	2097	233*n

SYSTEM OVERVIEW



Item	Parameters
Type of Battery	LFP (Tier 1)
Rated Capacity	233 kWh per cabinet
Rated PCS Power	105 kW
System Configuration	5s1p (5 series 1 parallel)
Nominal DC Voltage	832 V
AC Voltage	400 V
Depth of Discharge	90%
System Efficiency	max 89.7 %
Ambient Temperature	Between -25 °C and 55 °C
Relative Humidity	<95% non condensing
Altitude	<4000m AMSL
Protection Level Cabinet	IP55
Protection Level Pack	IP65
Cooling Method	Liquid cooled
Fire Suppression Agent	Aerosol (pack & system level)
Communication Method	API, TCP/IP
Conformity	CE, IEC 62619, IEC 61000, IEC62933-5-2, IEC62477, IEC 63056, UL9540A, EU Grid codes