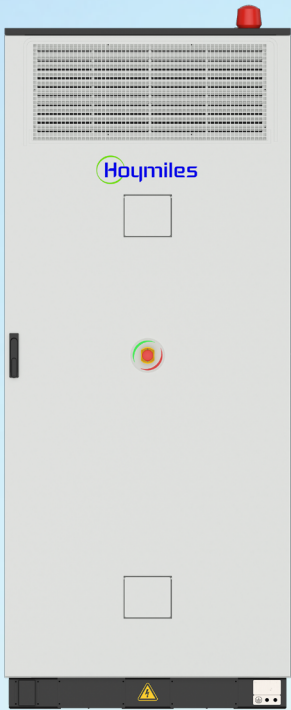


C&I All-in-One BESS

HoyUltra 261A (Model : HESS-261-2h) is a next-generation fully liquid cooling C&I battery system by Hoymiles, delivering a maximum efficiency of up to 90.3%.

Equipped with a 3-layer, 5-tiered integrated safety design, the system ensures 24/7 safe operation. The edge EMS and local APP system supports intelligent O&M as well as cloud-based global data analytics. The battery and PCS feature a fully liquid cooling design, allowing for full-capacity operation without derating even at 50°C. The core components boasting an IP55 protection rating and noise levels as low as 60dB.

HoyUltra 261A



Features

- 01

Supports 3S active intervention + cabinet + interlocked exhaust + explosion venting + cloud early warning protection.
- 02

The edge EMS enables real-time local optimization and cloud-based global data analysis.
- 03

Operating with 100% three-phase imbalance load at Off-Grid parallel mode.
- 04

Intelligent liquid-cooling design maintaining full power at 50°C ambient temperature.
- 05

Core components with IP55 protection rating, dustproof and waterproof.
- 06

Noise as low as 60dB, suitable for supermarkets, hotels, communities, and other scenarios.

Technical Specifications

HoyUltra 261A	
Model	HESS-261-2h
DC Side	
Battery Designation	Cell A: IFpP/73/176/208[(52S1P)5S]M/-30+50/95 Cell B: IFpP/74/176/209[(52S1P)5S]M/-30+50/95 Cell C: IFpP/74/176/209[(52S1P)5S]M/-30+50/95
Pack Configuration	1P52S / 52.25 kWh
System Configuration	1P260S
DC Voltage Range	728 V - 936 V
Nominal Battery Energy	261 kW·h
Temperature Detection	Battery cell + Module + Positive and Negative terminals
AC Side (On-Grid)	
Rated Output Power @50°C	60 kW
Maximum Output Apparent Power @50°C	60 kVA
AC Voltage Range	340 V - 440 V
Rated Grid Frequency	50/60 Hz, ± 5 Hz
THDi	< 3% (@Rated power)
Icc	10 kA
AC Connection Method	3/N, 3/N/PE
AC Side (Off-Grid)	
Rated Output Power @50°C	60 kW
AC Voltage Range	340 V - 440 VAC
Rated Grid Frequency	50/60 Hz
THDu	< 3% (Linear load)
DC Injection	< 1% Un (Balanced linear load)
Efficiency	
Maximum Round-trip Efficiency	90.3%
Overload	
Overload Capacity	Operate for a long time at 1.1 times (60 kVA @50°C), Operate for no less than 1 minutes at 1.2 times the rated load.
General Data	
Dimensions (W×H×D)	1030 mm × 2450 mm × 1400 mm
Weight	< 2800 kg
Operating Temperature	-30°C to +55°C
Operating Humidity	0 - 100%RH (non-condensing)
Altitude	≤ 2000 m
IP Rating	IP55
Cooling Method	Fully liquid cooling (PCS + Battery)
Noise	70dB (Optional 60dB)
Rated Charge/Discharge Rate	≤ 0.5P
Fire Suppression System	Aerosol + Water fire protection + Interlocked exhaust ventilation + Pressure relief (Optional)
AC Inlet Method	Front bottom inlet
Display and Communication	
Communication Interface	RS485, Ethernet, DIO
Communication Protocol	MODBUS-RTU, MODBUS-TCP, DL/T645
Cloud Service	Default S-Miles Cloud (Support third-party cloud platforms)
Standard and Regulation	
Grid Code Compliance	GBT 34120-2023, EN 50549-1/-2/-10, PGMcv 1.4, Synergrid Listed, G99/1-10/03.24, ENA Listed, VDE-AR-N 4105/11.18, DIN VDE V 0124-100/06.20, VDE-AR-N 4110/4120, ZEREZ Listed, CEI 0-21,CEI 0-16, RESP-73/2020, 2016/631 EU-(NC RfG), PSE 2018, PTPIREE Listed, RD244, UNE217001:2020
Production Compliance	EN/IEC 62477-1:2012, IEC 62619:2022, EN IEC 61000-6-2/4:2019, IEC 63056:2020, GB/T 34131-2023, GB/T 36276-2023, UN38.3 Rev.8, IEC60730-1 AnnexH, IEC 61683, EN&IEC 62920

* Subject to change without notice.