

Three Phase All-in-One ESS

Keep your power constantly on.



All-in-one design



Stackable & Modular Installation



Enhanced Safety and Performance



Intelligent AI Forecast & Optimization



Integration of Cloud, Edge and Endpoint



www.lumenhaus.com

Technical Specifications

General Specifications

Rated output power	12kW
Norminal capacity	10/15/20/25/30kWh (95%DoD)
Battery type	Li-ion (LFP)
Cooling concept	Natural cooling
Noise emission	≤35dB
Degree of protection	IP66
Warranty	10 Years

Hybrid Inverter

Rated AC voltage	220/380, 230/400, 3/N/PE, 3/PE		
Max.PV input power	19.2kW	Rated grid Frequency	50/60 Hz
Max.PV input current	2×20A	On/Off grid switching time	<20ms
Max.PV input voltage	1100V	Communication	Ethernet/WiFi/4G/Bluetooth
Max. short circuit current	40A	Operating temperature range	-30°C~60°C
MPP trackers	1+1	Allowable relative humidity range	0~100%
MPPT voltage range	150~1000V	Net weight	35kg
Max. charge / discharge power	12kW	Dimension (W x H x D)	750×450×232mm
Protection	Battery soft -start protection		
	DC Reverse polarity protection		
	Anti-Islanding protection		
	Surge protection		
	AC overcurrent protection		
	AC overvoltage protection		
AFCI			

Battery

Nominal capacity	5kWh	Dimension (W x H x D)	340×750×232mm
Usable energy	4.75kWh	Weight	45kg
Depth of discharge	95%	Battery energy range	10kWh~30kWh
Nominal voltage	102.4V	Storage temperature	-20°C~35°C
Max. charge current	25A	Operating temperature range	-30°C~60°C
Max. discharge current	40A	Charging temperature	-20°C~60°C
Cycle life	8000cycles	Installation	Floor mounted