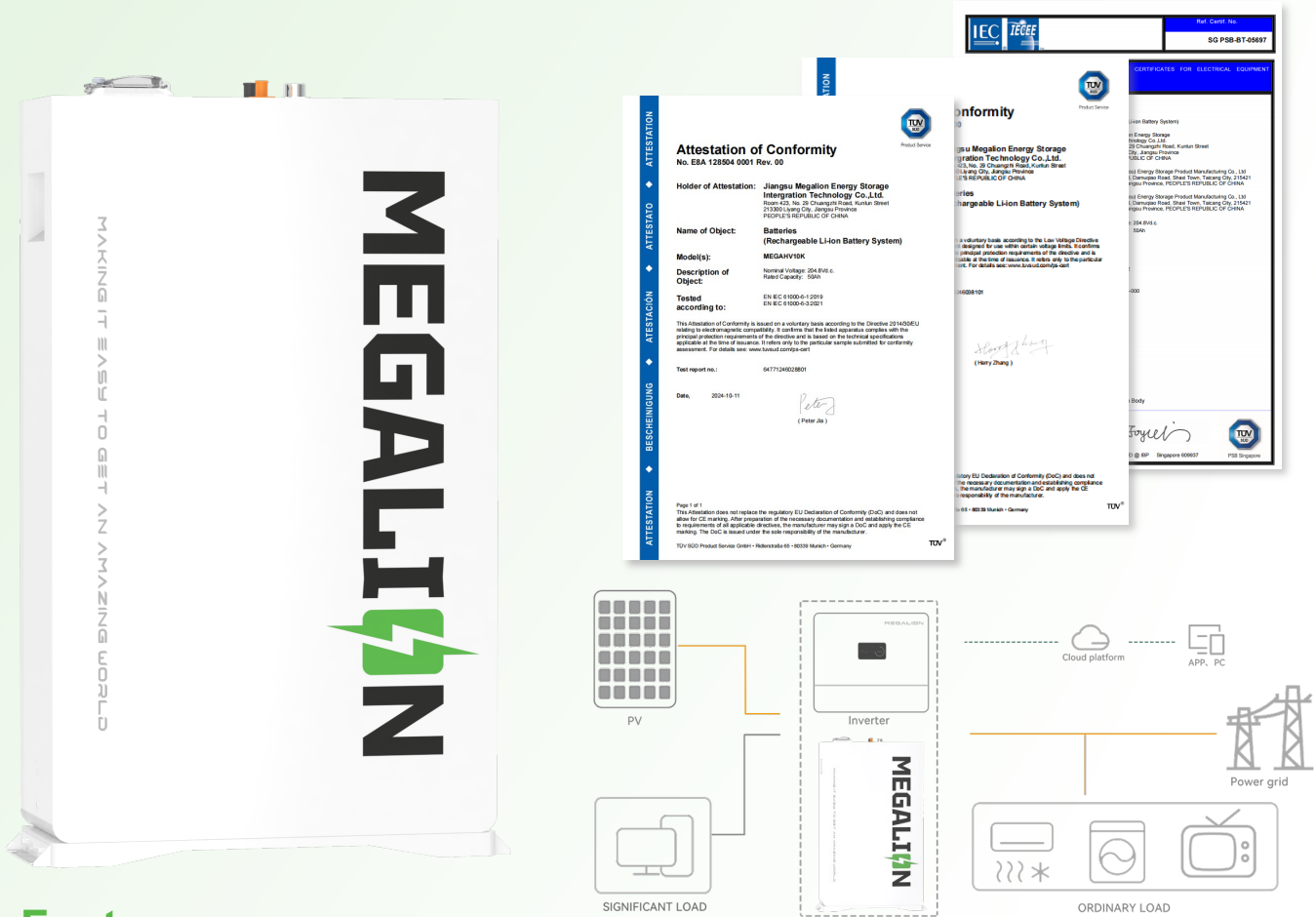


HV Residential Storage Cabinet

MEGAHV10K

MEGAHV10K uses advanced Hybrid Electrolyte Solid State LFP, battery capacity of 50Ah, not only has a long life, but also has the dual guarantee of high efficiency and safety. MEGAHV10K features an Integrated design, simplifying the installation and usage process significantly. Users no longer need to worry about selecting and matching energy storage accessories; simply connecting MEGAHV10K to the grid allows for effortless energy storage and power supply. The sleek stretched form and rounded corners make the product both aesthetically pleasing and practical, seamlessly blending into the home environment.



Features

01

High Safety

Cutting-edge hybrid electrolyte solid-state LFP

02

Ultra-long Lifespan

More than 8000 cycles

03

Excellent Compatibility

Compatible with most inverters on the market

Application Scenario:
Residential, Utility, Mobile applications

PRODUCT PARAMETERS

Product Model	MEGAHV10K
Electrical Parameter	
Battery Chemistry	Hybrid Electrolyte Solid State LFP
Battery Capacity	50 Ah
System Configuration	1P64S
Total Energy	10.24 kWh
Nominal Voltage	204.8 V
Voltage Range	179.2 ~ 230.4 V
Charging / Discharging Current	40 A
Cycle Life	≥ 8000 cell cycles (25 °C ± 2°C, 0.5C / 0.5C, 90% DOD, 60% SOH)
Communication Interface	CAN
Monitoring Type	Wi-Fi / 4G (Optional)
General Parameter	
Dimension (W*D*H)	534*195*861.5 mm (Without PCS)
Weight	≤ 95 kg
Installation Method	Floor or Wall Mounted
Certification	System: IEC62619; IEC60730-1; IEC62040; CE; UN38.3 Cell: IEC62619; UN38.3; UL1973; UL9540A
Environment Parameter	
IP	IP65
Humidity	0 ~ 95% RH (No condensation)
Operating Temperature	-25°C ~ 55°C
Storage Temperature Range	-20°C ~ 45°C
Altitude	≤ 2000 m

This datasheet is intended solely for product information and is not legally binding. The actual specifications and/or product features may differ slightly from those stated. Errors and changes are reserved. Please read the safety and installation instructions carefully and completely before using the product. Upon purchase, the currently valid warranty statements and the general terms and conditions of Megalion Europe GmbH shall apply.



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