



LEAPTON
SOLAR



■ ■ ■ SWITCH YOUR LIFE
ENERGY STORAGE SOLUTIONS



HIGH VOLTAGE BATTERY EH-A05



PERFECT COMPATIBILITY

Suitable for 1 and 3 phase, hybrid and retrofit inverters



SAFE & RELIABLE

Reliable LFP battery cell with high cycle stability



IP65 RATING

IP65 for both indoor and outdoor



FLEXIBLE INVESTMENT

5kWh Modular Design, Flexibility Configuration-10.2kWh/15.3kWh/20.4kWh



EASY INSTALLATION


Stackable standard modules




HIGH EFFICIENCY

Charge and discharge with high efficiency



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TECHNICAL PARAMETERS

Battery Module	EH-A05-102/102	EH-A05-102/204	EH-A05-102/307	EH-A05-102/409
Rated Energy(kWh) ¹	5.12	10.24	15.36	20.48
Usable Energy (kWh) ¹	4.6	9.2	13.8	18.4
Battery Module Energy	EHA05/5.12kWh			
Number of Modules	1	2	3	4
Cell Type	LFP (LiFePO ₄)			
Cell Configuration	32S1P	64S1P	96S1P	128S1P
Rated Capacity(Ah)	50			
Nominal Voltage (V)	102.4	204.8	307.2	409.6
Operating Voltage Range (V)	91.2~115.2	182.4~230.4	273.6~345.6	364.8~460.8
Recommend Charge/ Discharge Current (A)	25			
Recommend Charge/ Discharge Power (kW)	2.56	5.12	7.68	10.24
Max. Charging/ Discharging Current (A) ²	50			
Max. Charging/ Discharging Power (kW) ²	5.12	10.24	15.36	20.48
Weight (kg)	70	125	180	235
Dimensions (W × H × D mm)	875*560*195	875*840*195	875*1120*195	875*1400*195
Communication	CAN/RS485			
Operating Temperature (°C)	Charge: 0 ~ +50; Discharge: -20 ~ +50			
Operating Temperature (Recommended) (°C)	15~30			
Relative Humidity	5%~95%			
Cycle Life	>6000 (25°C @ 77°F)			
Recommend DOD	90%			
Environment	Outdoor / Indoor (*Please refer to the user manual for installation condition)			
Cooling	Natural convection			
Ingress Protection Rating	IP65			
Max. Operating Altitude (m)	2000			
Mounting Method	Floor stand			
Certificates	CE, IEC62619, UN38.3			
Performance Warranty	12 Years			

Note

1. Value for Battery Cell Only (Depth of Discharge 90%). Actual usable energy at the AC output may vary by condition, such as the battery converter, inverter efficiency and temperature.
2. Leapton Energy recommends 25A@2.5kW for maximum battery module lifetime. Max dis-/charge current and power derating will occur related to temperature and SOC.