

iHome-B5-HDxx Series

Battery with DC/DC Converter

Chelion's iHome-B5-HD01-03 Series is a top-class lithium battery module. There is a built-in DC/DC converter in the module that is preoptimized to perform most safely.

The DC/DC converter facilitates module maintenance and battery replacement. It is flexible to add new batteries in the future without causing the "Buckets effect". And it is able to make the most of battery capacity.



Built-in DC/DC



More available capacity in the life cycle



Flexible expansion



Excellent safety and optimization performance

Items	iHome-B5-HD01 (USA)	iHome-B5-HD02 (AU&EU)	iHome-B5-HD03(EU)
Battery type		LFP	
Energy capacity		5kWh	
Scalability		8	
Scalable capacity range		5~40kWh	
DOD		100%	
Rated power	2.5kW	4kW	4kW
Voltage range	360-500Vdc	360-500Vdc	650-900Vdc
Max. charge current	6.94A	11.11A	6.15A
Max. discharge current	6.94A	11.11A	6.15A
	8.3A, 10s	13.33A, 10s	7.38A, 10s
Dimensions(W*H*D)	31.49*14.96*7.87inch (800*380*200mm)		
Weight	121.25lb(55kg)		
Cooling type	Passive cooling		
Altitude	≤6561 ft (2000m)		
Operating temperature	-4°F-122°F (-20-50°C)		
Recommended operating temperature	59°F-86°F (15-30°C)		
Storage temperature	14°F-113°F (-10-45°C)		
Humidity	0-100%RH		
Display	LED		
Communication interface	RS485, CAN		
Topology	Isolated		
Connection method	Floor or Wall mounted (optional)		
Certification	UL 1973, UL 9540A, IEC 60730, UN 38.3	IEC 62619, IEC 60730, IEC 62040-1, UN38.3	IEC 62619, IEC 60730, UN38.3

*Specifications are subject to change without prior notice.