

## iHome-B5-HD02 Series

### Battery with DC/DC Converter


Chelion's iHome-B5-HD Series is a top-class lithium battery module. There is a built-in DC/DC converter in the module that is optimised 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.





Items	iHome-B5-HD02	iHome-B10-HD02	iHome-B15-HD02	iHome-B20-HD02	iHome-B25-HD02	iHome-B30-HD02	iHome-B35-HD02	iHome-B40-HD02
	<b>General</b>							
Cell technology	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Nominal capacity	5kWh	10kWh	15kWh	20kWh	25kWh	30kWh	35kWh	40kWh
Usable capacity1	5kWh	10kWh	15kWh	20kWh	25kWh	30kWh	35kWh	40kWh
Scalability	8	/	/	/	/	/	/	/
Scalable capacity range	5-40kWh	/	/	/	/	/	/	/
Battery Depth of Discharge	Max. 100 % DOD (settable)							
Maximum continuous charging power	4kW	6kW	9kW	9kW	9kW	9kW	9kW	9kW
Maximum continuous discharging power	4kW	6kW	6kW	6kW	6kW	6kW	6kW	6kW
Rated charging power:	4kW	6kW	9kW	9kW	9kW	9kW	9kW	9kW
Rated discharging power:	4kW	6kW	6kW	6kW	6kW	6kW	6kW	6kW
Voltage range	360-500Vdc							
Min Voltage	360Vdc							
Max Voltage	500Vdc							
Nominal voltage	400 Vdc							
Maximum charge current	11.11A	22.22A	25A	25A	25A	25A	25A	25A
Maximum discharge current	11.11A	16.67 A	16.67 A	16.67 A	16.67 A	16.67 A	16.67 A	16.67 A
Dimension (W*H*D)	800*380*238mm	800*760*238mm	800*760*238mm	800*1520*238mm	800*380*238mm+ 800*1520*238mm	800*760*238mm + 800*1520*238mm	800*760*238mm + 800*1520*238mm	800*1520*238mm + 800*1520*238mm
Weight	51kg	51kg *2	51kg *3	51kg *4	51kg*5	51kg*6	51kg *7	51kg *8
Operating temperature range	-20-50°C							
Recommended operating temperature	15-30°C							
Humidity	0-100%RH (Non-condensing)							
Maximum altitude	2000m							
Cooling type	Natural cooling							
Display	LED							
Communication interface	RS485, CAN							
Topology	Isolated							
Connection method	Floor or Wall mounted (optional)							
IP rating	IP65							
Certification	IEC 62619, IEC 60730, UN38.3, IEC 62040-1							
Country of manufacture	P.R.C							


The battery module quantity could be combined from 1 to 8.

\*Please find the user manual for the detail information.

 Built-in DC/DC

 More available capacity in the life cycle

 Flexible expansion

 Excellent safety and optimisation performance