



# Rechargeable Li-ion Battery System

(High-Voltage)



Datasheet



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# Technical Parameter

Product Name	Rechargeable Li-ion Battery System		
Power control unit model	BH7700P		
Battery module model	BH7700A	BH7700B	BH7700C
Type	1 module	2 module	3 module
<b>System Data</b>			
Rated capacity	7.776KWh	15.552KWh	23.328KWh
Available energy	6.998KWh	13.996KWh	20.995KWh
Battery module	172.8V, 45Ah, 7.776KWh	345.6V, 45Ah, 15.552KWh	518.4V, 45Ah, 23.328KWh
Battery type	LFP(LiFePO <sub>4</sub> )		
Cycle life	6000 cycles		
Battery configuration	54S1P	108S1P	162S1P
Rated voltage	172.8 Vd.c	345.6 Vd.c	518.4 Vd.c
Operating voltage	135~194.4 Vd.c	270~388.8 Vd.c	405~583.2 Vd.c
rangeOperating voltage	135~583.2 Vd.c		
Max. continuous charge / discharge current	45A		
Maximum charge/ discharge power	7.776KWh	15.552KWh	23.328KWh
Depth of discharge	90%		
<b>Protection</b>			
Overvoltage/ undervoltage protection	Yes		
Overcurrent protection	Yes		
Over-temperature/under-temperature protection	Yes		
DC circuit breaker	Yes		

<b>General Data</b>			
Battery Net Weight	87KG	174KG	261KG
Battery System Weight	104KG	191KG	278KG
Dimensions (excluding foot pads)	730*710*180mm	730*1220*180mm	730*1730*180mm
Dimensions (including foot pads)	730*754*180mm	730*1264*180mm	730*1774*180mm
Installation location	Indoor/Outdoor		
Installation method	Floor stand		
Run logging	8M-byte		
Communication	CAN		
Operating temperature	charge:0~55°C/Discharge:-20~60°C		
Storage temperature	-20~40°C (≤One month)/0~35°C (≤One year)		
Humidity	15% to 90% no condensing		
Working height	≤2000m		
Enclosure Type	IP65		
Protective	Class I		
ClassCooling	Natural convection		
method	CB, CE, UKCA, LOA, SONCAR, RCM, EMC, ROHS, S-Mark,KBIA, UL		
Certification	IEC 62619:2022, IEC 60730-1 Appendix H,IEC/EN 62368-1, EN IEC 61000-6-1/3, IEC 60529, IEC 60068-2-52		
	UN 38.3, MSDS		
Warranty	5 Years Warranty, 10 Years Performance Life		
Country of manufacture	Made in China		
<p>Rated capacity *: Test conditions, 100% DOD, 0.5C charge and discharge at +25±2°C.            Available energy*: Test conditions, 90% DOD, 0.5C charge and discharge at +25±2°C.            Cycle life*: Test conditions, 90% DOD, 0.5C charge and 0.5C discharge at +25±2°C.            Maximum Charge and Discharge Current*/Power *: Maximum continuous charge and discharge current and power derating will be temperature and SOC dependent.</p>			