

HIGH VOLTAGE STACK LIFEPO4 SERIES

BR-HV-40KWH



PRODUCT FEATURES



Advanced LiFePO4 Technology
Lithium iron phosphate(LFP) Battery,
longer cycle life, stable performance



Intelligent BMS System
Comprehensive BMS
with sophisticated monitoring and protection



Modular Design
Scalable from 5kWh
to multi-MWh configurations



Higher Voltage Architecture
Enables longer string
and reduced balance-of-system costs



Compatibility
Compatible with mainstream
brand of inverter



Safety Certification
Compliant with rigorous international
standards and testing protocols

Model	BR-HV-5KWH
Battery Chemistry	Lithium iron phosphate(LiFePO4)
Connection Style	16S1P
Module Energy(Wh)	5120
Module Nominal Voltage(V)	51.2
Module Capacity(Ah)	100
Operation Voltage Range (V)	44.8-57.6
Recommend Charge Current(A)	50
Recommend Discharge Current(A)	50
Recommend Charge Current(A)	50
Recommend Discharge Current(A)	50
Module Dimension(W*D*H, mm)	530*480*160
Module Weight Approximate(kg)	48
Installation Location	Stack

Model	BR-HV-20KWH	BR-HV-30KWH	BR-HV-40KWH
Connection Style	64S1P	96S1P	128S1P
Battery Module Qty In Series(Units)	4	6	8
System Nominal Energy(kWh)	20.48	30.72	40.96
System Rated Voltage(V)	204.8	307.2	409.6
System Operating Voltage Range(V)	166.4-230.4V	249.6-345.6	332.8-460.8
System Dimension-Rack(L*W*H, mm)	530*480*760	530*480*1240	530*480*1560
System Weight Approximate(kg)	214	310	406
Cycle Life	6000 cycless(@80%DoD, 25°C/0.5C)		
Recommend Charge Current(A)	50		
Recommend Discharge Current(A)	50		
Recommend Charge Current(A)	50		
Recommend Discharge Current(A)	50		
Communication Port	CAN		
Max.Parallet Quantities(System)	20		
Protection Level	IP20		
Charge Temperature Range	0°C~60°C		
Discharge Temperature Range	-20°C~60°C(Under 0°C work with reduced capacity)		
Storage Temperature Range	-20°C~60°C @ 60±25% relative humidity		
Inverter Compatibility	DEYE, Solis, SMA, Sofar, Goodwe, Invt, Gospower, Sinexcel, etc		
Warranty	10 Years (warranty or cycle life, whichever comes first)		