

HIGH VOLTAGE STACK LIFEPO4 SERIES

BR-HV-84KWH
BR-HV-96KWH



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 14/16kWh
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-14KWH		BR-HV-16KWH	
Battery Chemistry	Lithium iron phosphate(LiFePO4)		Lithium iron phosphate(LiFePO4)	
Connection Style	16S1P		16S1P	
Module Energy(Wh)	14330		16076	
Module Nominal Voltage(V)	51.2		51.2	
Module Capacity(Ah)	280		314	
Operation Voltage Range (V)	44.8-57.6		44.8-57.6	
Recommend Charge Current(A)	50		50	
Recommend Discharge Current(A)	50		50	
Max. Continuous Charge Current(A)	100		100	
Max. Continuous Discharge Current(A)	100		100	
Module Dimension(W*D*H, mm)	780*600*245		780*600*245	
Module Weight Approximate(kg)	125		127	
Installation Location	Stack		Stack	
Model	BR-RM-HV-56KWH	BR-HV-84WH	BR-HV-56KWH	BR-HV-96WH
Connection Style	64S1P	96S1P	64S1P	96S1P
Battery Module Qty In Series(Units)	4	6	4	6
System Nominal Energy(kWh)	57.32	85.98	64.28	96.42
System Rated Voltage(V)	204.8	307.2	204.8	307.2
System Operating Voltage Range(V)	166.4-230.4	249.6-345.6	166.4-230.4	249.6-345.6
System Dimension-Rack(L*W*H, mm)	780*600*1360	780*600*1650	780*600*1360	780*600*1650
System Weight Approximate(kg)	532	822	538	828
Cycle Life	8000 Cycles(@80%DoD, 25 ℃ /0.5C)			
Recommend Charge Current(A)	50			
Recommend Discharge Current(A)	50			
Max. Continuous Charge Current(A)	100			
Max. Continuous Discharge Current(A)	100			
Communication Port	CAN			
Max.Parallet Quantities(System)	20			
Protection Level	IP20			
Charge Temperature Range	0℃~60℃			
Discharge Temperature Range	-20℃~60℃(Under 0℃ work with reduced capacity)			
Storage Temperature Range	-20℃~60℃ @ 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)			