

# BR192R/208R/225R/241R

Indoor battery rack with IP20 protection level, inbuilt lithium-ion battery and BMS.

## Features



Flexible modular design



Self-developed 3-level BMS



Easy connection method for A&B Module



Remote monitoring and upgrade



Long cycle Life, 6000 cycles



High density, 179wh/kg

Note: At specific test condition.





	BR192R	BR208R	BR225R	BR241R
<b>Battery module specification</b>				
Configuration	16S1P	16S1P	16S1P	16S1P
Rated capacity	314Ah	314Ah	314Ah	314Ah
Rated energy	16.076kWh	16.076kWh	16.076kWh	16.076kWh
Rated voltage	51.2V	51.2V	51.2V	51.2V
Voltage range	44.8~57.6V	44.8~57.6V	44.8~57.6V	44.8~57.6V
Rated charge/discharge	0.5C	0.5C	0.5C	0.5C
Max. charge/discharge	0.65C	0.65C	0.65C	0.65C
AC internal resistance	≤7mΩ	≤7mΩ	≤7mΩ	≤7mΩ
Dimension(W/H/D)	523/231/800mm	523/231/800mm	523/231/800mm	523/231/800mm
Weight	115kg	115kg	115kg	115kg

<b>Battery rack specification</b>				
Configuration	12 modules + 1 BPU	13 modules + 1 BPU	14 modules + 1 BPU	15 modules + 1 BPU
Rated capacity	314Ah	314Ah	314Ah	314Ah
Rated energy	192.921kWh	208.998kWh	225.075kWh	241.152kWh
Rated voltage	614.4V	665.6V	716.8V	768V
Voltage range	537.6~691.2V	582.4~748.8V	627.2~806.4V	672~864V
Rated charge/discharge	0.5C	0.5C	0.5C	0.5C
Max. charge/discharge	0.65C	0.65C	0.65C	0.65C
AC internal resistance	≤84mΩ	≤91mΩ	≤98mΩ	≤105mΩ
Display	7" Touch screen	7" Touch screen	7" Touch screen	7" Touch screen
BMS	Included	Included	Included	Included
Communication	CAN	CAN	CAN	CAN
Monitoring	RS485	RS485	RS485	RS485
Max. altitude	3000m	3000m	3000m	3000m
Dimension(W/H/D)mm	1055/2125/755(0.5C)	1055/2125/755(0.5C)	1055/2125/755(0.5C)	1055/2125/755(0.5C)
Weight	1535kg	1650kg	1765kg	1880kg
Protection degree	IP20	IP20	IP20	IP20

<b>BMS parameters on LCD</b>				
Cell voltage	Yes	Yes	Yes	Yes
Cell high voltage	Yes	Yes	Yes	Yes
Cell low voltage	Yes	Yes	Yes	Yes
Cell temperature	Yes	Yes	Yes	Yes
Charge and discharge current	Yes	Yes	Yes	Yes
Total battery voltage	Yes	Yes	Yes	Yes
Battery SOC	Yes	Yes	Yes	Yes
Fault warning	Yes	Yes	Yes	Yes

<b>Protection</b>				
Short circuit protection	Yes	Yes	Yes	Yes
Over current protection	Yes	Yes	Yes	Yes
Over charge protection	Yes	Yes	Yes	Yes
Over discharge protection	Yes	Yes	Yes	Yes
Cell over voltage protection	Yes	Yes	Yes	Yes
Cell under voltage protection	Yes	Yes	Yes	Yes
Over temperature protection	Yes	Yes	Yes	Yes

<b>Certificate</b>				
CB, UL, UN38.3, IEC62619, ROHS				