ATESS

BR114R/129R/143R/157R



- Indoor battery rack with IP20 protection level, inbuilt lithium-ion battery and BMS
- Easy installation and maintenance
- Safety first
- High density
- Long lifespan
- Cell balancing technology

Model	BR114R	BR129R	BR143R	BR157R	BR114R for container
Battery module specification					
Configuration	16S1P				
Rated capacity	280Ah				
Rated energy	14.336kWh				
Rated voltage	51.2V				
Voltage range	44.8~57.6V				
Rated charge/discharge	0.5C				
AC internal resistance	≤8mΩ				
Dimension(W/H/D)mm	523/231/805				
Weight	113kg				
Battery rack specification					
Configuration	8 modules + 1 BPU	9 modules + 1 BPU	10 modules + 1 BPU	11 modules + 1 BPU	8 modules + 1 BPU
Rated capacity	280Ah				
Rated energy	114.688kWh	129.024kWh	143.36kWh	157.696kWh	114.688kWh
Rated voltage	409.6V	460.8V	512V	563.2V	409.6V
Voltage range	358.4~460.8V	403.2~518.4V	448~576V	492.8~633.6V	358.4~460.8V
Rated charge/discharge	0.5C				
AC internal resistance	≤64mΩ	≤72mΩ	≤80mΩ	≤88mΩ	≤64mΩ
Display	7"Touch screen				
BMS	Included				
Communication	CAN				
Monitoring	RS485				
Dimension(W/H/D)mm	1055/1615/755	1055/1615/755	1055/1615/755	1055/1615/755	528/2380/755
Weight	1044kg	1157kg	1270kg	1383kg	999kg
Protection degree	IP20				
BMS parameters on LCD					
Cell voltage	Yes				
Cell hight voltage	Yes				
Cell low voltage	Yes				
Cell temperature	Yes				
Charge and dicharge current	Yes				
Total battery voltage	Yes				
Battery SOC	Yes				
Fault warning	Yes				
Protection					
Short circuit protection	Yes				
Over current protection	Yes				
Over charge protection	Yes				
Over discharge protection	Yes				
Cell over voltage protection	Yes				
Cell under voltage protection	Yes				
Over temperature protection	Yes				
Certificate					
CE, CB, UL, UN38.3, IEC62619, MSDS, ROHS					