



Atrix series

Sunwoda Atrix series adopts a flexible modular design, which can be expanded from 5 kWh of a single module to 40 kWh of 8 battery modules.

	Conventional	Atrix series
Flexible application Lead acid replacement Suitable for rack or cabinet using		
Easy to install Plug and play Compact and Light 1~2 persons installation		
Excellent low temp. performance (Optional) Operate at -10°C without any limitation and attenuation	₽ 0°C	₩ -10°C
Battery APP (Optional) Real time monitoring Remote maintenance and upgrades		2

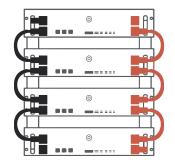


Electrical characteristics

Roundtrip efficiency >95% >95% >95% >95% Solventre Solve						
Usable energy 4.5kWh 9kWh 13.5kWh 18kWh Rated voltage 51.2V 51.2V 51.2V 51.2V Charge/discharge cut off voltage 46.4V~55.2V 46.4V~55.2V 46.4V~55.2V 46.4V~55.2V Roundtrip efficiency >95% >95% >95% >95% >95% Rated charge/discharge current 50A/50A 100A/100A 150A/150A 200A/200A Max. charge/discharge current 100A/100A 180A/180A 200A/200A 200A/200A Max. discharge power 4.64kW 9.28kW 9.28kW 9.28kW Communication interface CAN 2.0 / RS485 Connection method Quick plug and unplug terminals State indicator Indicating SOC and error status Charging overvoltage protection, discharge under-voltage protection features Protection features protection, over current protection, over temperature protection, short circuit protection, etc.	Model	Atrix-5	Atrix-10	Atrix-15	Atrix-20	
Rated voltage 51.2V 51.2V 51.2V 51.2V 51.2V Charge/discharge cut off voltage 46.4V~55.2V 46.4V~55.2V 46.4V~55.2V 46.4V~55.2V Roundtrip efficiency >95% >95% >95% >95% >95% Rated charge/discharge current 50A/50A 100A/100A 150A/150A 200A/200A Max. charge/discharge current 100A/100A 180A/180A 200A/200A 200A/200A Max. discharge power 4.64kW 9.28kW 9.28kW 9.28kW Communication interface CAN 2.0 / RS485 Connection method Quick plug and unplug terminals State indicator Indicating SOC and error status Charging overvoltage protection, discharge under-voltage protection features Protection features protection, over current protection, over temperature protection, short circuit protection, etc.	Nominal energy	5kWh	10kWh	15kWh	20kWh	
Charge/discharge cut off voltage 46.4V~55.2V 46.4V~50.4V~50.4V~50.4V~50.4V~50.4V~50.4V~50.4V~50.4V~50.4V~50.4V~50.	Usable energy	4.5kWh	9kWh	13.5kWh	18kWh	
Roundtrip efficiency >95% >95% >95% >95% >95% Rated charge/discharge current 50A/50A 100A/100A 150A/150A 200A/200A Max. charge/discharge current 100A/100A 180A/180A 200A/200A 200A/200A Max. discharge power 4.64kW 9.28kW 9.28kW 9.28kW Communication interface CAN 2.0 / RS485 Connection method Quick plug and unplug terminals State indicator Indicating SOC and error status Charging overvoltage protection, discharge under-voltage protection features protection, over current protection, over temperature protection, etc.	Rated voltage	51.2V	51.2V	51.2V	51.2V	
Rated charge/discharge current 50A/50A 100A/100A 150A/150A 200A/200A Max. charge/discharge current 100A/100A 180A/180A 200A/200A 200A/200A Max. discharge power 4.64kW 9.28kW 9.28kW 9.28kW 9.28kW Communication interface CAN 2.0 / RS485 Connection method Quick plug and unplug terminals State indicator Indicating SOC and error status Charging overvoltage protection, discharge under-voltage protection, over current protection, over temperature protection, short circuit protection, etc.	Charge/discharge cut off voltage	46.4V~55.2V	46.4V~55.2V	46.4V~55.2V	46.4V~55.2V	
Max. charge/discharge current 100A/100A 180A/180A 200A/200A 200A/200A Max. discharge power 4.64kW 9.28kW 9.28kW 9.28kW 9.28kW 9.28kW Communication interface CAN 2.0 / RS485 Connection method Quick plug and unplug terminals State indicator Indicating SOC and error status Charging overvoltage protection, discharge under-voltage protection features Protection features Protection , over current protection, over temperature protection , short circuit protection, etc.	Roundtrip efficiency	>95%	>95%	>95%	>95%	
Max. discharge power 4.64kW 9.28kW 9.28kW 9.28kW 9.28kW Communication interface CAN 2.0 / RS485 Connection method Quick plug and unplug terminals State indicator Indicating SOC and error status Charging overvoltage protection, discharge under-voltage protection features protection, over current protection, over temperature protection, short circuit protection, etc.	Rated charge/discharge current	50A/50A	100A/100A	150A/150A	200A/200A	
Communication interface CAN 2.0 / RS485 Connection method Quick plug and unplug terminals State indicator Indicating SOC and error status Charging overvoltage protection, discharge under-voltage protection features Protection features CAN 2.0 / RS485 Quick plug and unplug terminals Indicating SOC and error status	Max. charge/discharge current	100A/100A	180A/180A	200A/200A	200A/200A	
Connection method Quick plug and unplug terminals Indicating SOC and error status Charging overvoltage protection, discharge under-voltage protection features Protection features Charging overvoltage protection, over temperature protection, short circuit protection, etc.	Max. discharge power	4.64kW	9.28kW	9.28kW	9.28kW	
State indicator Indicating SOC and error status Charging overvoltage protection, discharge under-voltage protection features protection, over current protection, over temperature protection ,short circuit protection, etc.	Communication interface	CAN 2.0 / RS485				
Charging overvoltage protection, discharge under-voltage Protection features protection, over current protection, over temperature protection ,short circuit protection, etc.	Connection method	Quick plug and unplug terminals				
Protection features protection, over current protection, over temperature protection ,short circuit protection, etc.	State indicator	Indicating SC	Indicating SOC and error status			
Scalability Max. 8 in parallel, Max. 40kWh	Protection features	protection, over current protection, over temperature				
	Scalability	Max. 8 in parallel, Max. 40kWh				

Operating conditions

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Installation location	Indoor		
Operating temperature	14°F to 122°F (-10°C to 50°C)		
Operating temperature (Recommended)	59°F to 86°F (15°C to 30°C)		
Storage temperature	-22°F to 140°F (-30°C to 60°C)		
Humidity	10% to 90%,non condensation		
Size(W*H*D, mm)	482*135*433/PACK		
Weight	45kg/90kg/140kg/185kg		
Enclosure rating	IP20		
Altitude	<2000m		
Cooling	Natural convection		
Warranty	5 years/10 years		



Certificates

Safety	IEC62619/EMC/UL1973/FCC/ UL9540/UL9540A
Transport	UN38.3