

Sunwoda
Focus on new energy
industry for 25 years



- 25 years
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industry for 25 years
- TOP 10
Top 10 global battery
companies
- 100 countries
1000+ projects in more
than 100 countries
- 40000+
40000+ staff worldwide

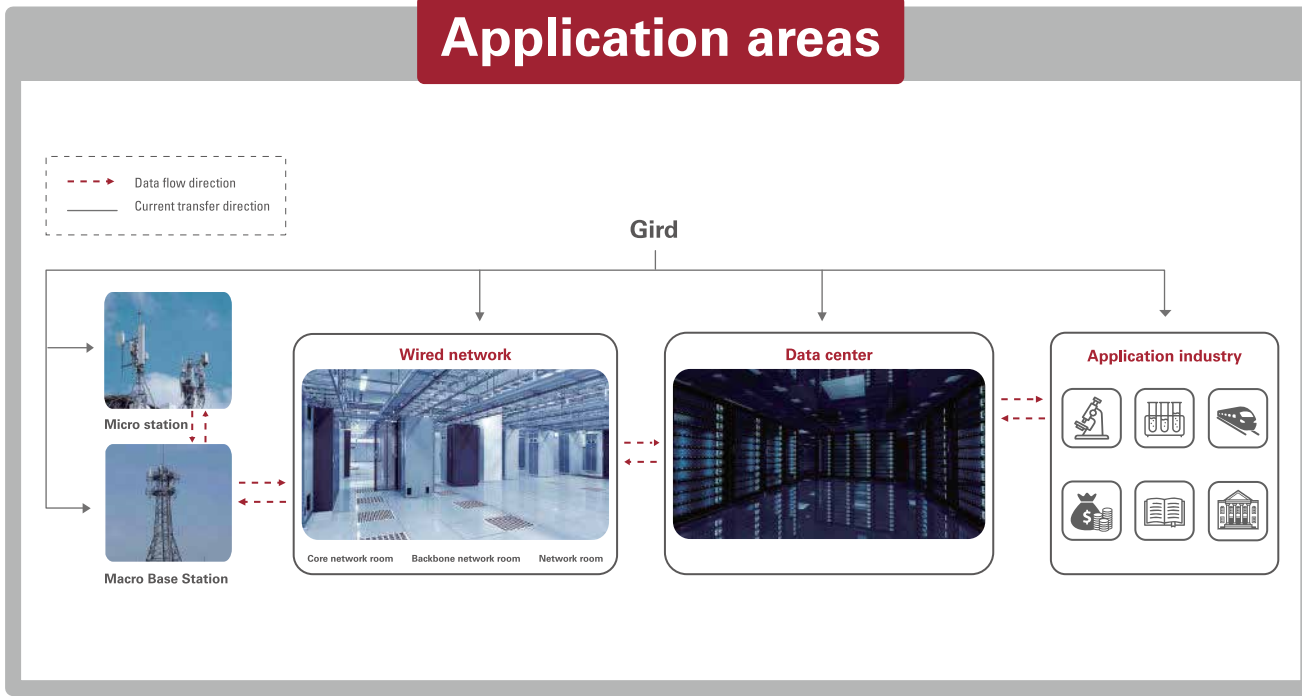
Sunwoda Energy Technology Co., Ltd. is a globally leading high-tech enterprise as a subsidiary of Sunwoda Group (SZ300207). With the integration and applied technology of lithium-ion battery energy storage, Sunwoda Energy devotes to portable, residential, commercial and industrial, utility energy storage solutions, network energy, and smart energy.

The company aims to meet the diversified energy needs of customers and provides a variety of comprehensive energy service models including lithium battery energy storage products, multi-scenario integration solutions, and energy investment and operation. In the future, our company will continue to implement the China Double-Carbon Policy and aspire to become an industry-leading energy storage product and system solution service provider.



IDC Backup Power Solution

Sunwoda Energy IDC backup power solution, which aims to provide Lithium-ion battery energy storage products with high energy density, high power density and high temperature resistance to improve accessibility and economy of IDC backup power application. It is characterized with modular design, parallel support and independent maintenance,can also reduce energy consumption effectively.



- Smart Manufacturing
Fully automatic and smart
manufacturing, solid
experience in battery pack
- Abundant Resources of
Battery Cells
Abundant resources of battery
cells, cover all needs of
network energy applications
- System Integration
Intelligent technology and
application engineering in
combination, highly integrated
system
- Flexible Configuration
Direct power supply and
effective power back up

Data Center



Data Center Solutions

The battery specifications can meet the 1KVA-800KVA UPS/HVDC backup power demand, and can be widely used in various medium and large data centers and edge data centers.

- High efficiency
- Advanced
- High safety
- Modular design

SSI-480140A4F1

Rated power	70kW	Cooling	Natural cooling
Max. continuous discharge power	300kW	Storage capacity	45% ±5%
Nominal capacity	140Ah	Operating ambient temperature	0~45℃
Nominal energy	71.68kWh	Relative humidity	5%-95%
Nominal voltage	512V	Protection degree	IP20
Maximum voltage	576V	Dimension (W*D*H)	600*1000*2000mm
Minimum voltage	400V	Weight	1100 kg
Charging current	28-140A	Connection	Top wiring
Rated discharge current	140A		
Max. discharge current	700A		
Communication	RS485 , CAN, FE		
Display mode	LCD screen		



SSI-480200A1F1

Rated power	50kW	Cooling	Natural cooling
Max. continuous discharge power	100kW	Storage capacity	45% ±5%
Nominal capacity	200Ah	Operating ambient temperature	0~40℃
Nominal energy	102.4kWh	Relative humidity	5%-95%
Nominal voltage	512V	Protection degree	IP20
Maximum voltage	576V	Dimension (W*D*H)	600*1200*2000mm
Minimum voltage	400V	Weight	1100 kg
Charging current	40-100A	Maintenance	Front and rear maintenance
Rated discharge current	100A	Connection	Top wiring
Max. discharge current	200A		
Communication	RS485 , CAN, FE		
Display mode	LCD screen		



SSI-480100A1F1

Rated power	25kW	Cooling	Natural cooling
Max. continuous discharge power	50kW	Storage capacity	45% ±5%
Nominal capacity	100Ah	Operating ambient temperature	0~40℃
Nominal energy	51.2kWh	Relative humidity	5%-95%
Nominal voltage	512V	Protection degree	IP20
Maximum voltage	576V	Dimension (W*D*H)	600*600*2000mm
Minimum voltage	400V	Weight	650 kg
Charging current	20-50A	Maintenance	Front and rear maintenance
Rated discharge current	50A	Connection	Top wiring
Max. discharge current	100A		
Communication	RS485 , CAN, FE		
Display mode	LCD screen		



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BTS Backup Power

BTS Backup Power Solutions

The 48V battery product has a capacity covering 50Ah-200Ah, which can be widely used in various macro and micro-station backup scenarios.

-  Universal
-  Smart
-  Reliable
-  High Magnification

	SMI-4850A1F1	SMI-48100A1F6	SMI-48150A1F1
Nominal Voltage	48V	48V	48V
Nominal Capacity	50Ah@0.5C	100Ah@0.5C	150Ah@0.5C
Max. Charge Current	50A(0.5C)	50A(0.5C)	75A(0.5C)
End Charging Voltage	55V	55V	55V
Rated Discharging Current	50A(1C)	50A(0.5C)	75A(0.5C)
Max. Discharge Current	50A(1C)	100A(1C)	100A
End Discharging Voltage	40.5V	40.5V	40.5V
Operating Environment Temperature	-10~55 C	-10~55 C	-10~55 C
Storage Temperature	-20~45 C (in 1 month) 15~35 C (in 6 months)	-20~45 C (in 1 month) 15~35 C (in 6 months)	-20~45 C (in 1 month) 15~35 C (in 6 months)
Design Life	≥10 years	≥10 years	≥10 years
Communication	RS232, RS485	RS232, RS485	RS232, RS485
Cycle Life	3500 cycles @0.5C 25 C 80%DOD	4000 cycles @0.5C 25 C 80%DOD	3500 cycles @0.5C 25 C 80%DOD
Dimensions (W*D*H)	442mm*320mm*131mm excluding monting ears	442mm*399mm*130mm excluding monting ears	442mm*530mm*131mm excluding monting ears
Weight	≤23 kg	≤40 kg	≤54 kg

*6000cycle coming soon

	SMO-4850A1F3
Nominal Voltage	48V
Nominal Capacity	50Ah@0.5C
Max. Charge Current	50A(1C)
End Charging Voltage	55V
Rated Discharging Current	25A(0.5C)
Max. Discharge Current	50A(1C)
End Discharging Voltage	40.5V
Operating Environment Temperature	-40~55 C
Storage Temperature	-10~45 C (in 1 month) 15~35 C (in 6 months)
Design Life	≥10 years
Communication	RS485, CAN
Cycle Life	3500 cycles @0.5C 25 C 80%DOD
Dimensions (W*D*H)	442mm*450mm*174mm excluding monting ears
Weight	≤30 kg

BTS Backup Power



	ST48100A1	ST48150A1
Nominal voltage	48V	48V
Max. output power	4800W	4800W
Nominal capacity	100Ah@0.5C	150Ah@0.5C
Boost output setpoint	57V	57V
Operating mode	Normal mode, Current limit mode, Boost mode, Maintenance mode	
Max. charge and discharge current	100A/100A	100A/100A
End Discharging Voltage	40.5V	40.5V
Operating Environment Temperature	-10~55 C	-10~55 C
Storage Temperature	-20~45 C (in 1 month) 15~35 C (in 6 months)	-20~45 C (in 1 month) 15~35 C (in 6 months)
Design Life	≥10 years	≥10 years
Communication	RS485, CAN	RS485, CAN
Cycle Life	4000 cycles @0.5C 25 C 80%DOD	3500 cycles @0.5C 25 C 80%DOD
Dimensions (W*D*H)	442mm*450mm*130mm excluding monting ears	442mm*530mm*131mm excluding monting ears
Weight	≤41 kg	≤58 kg

*6000cycle coming soon



	SMI-48200A1F1
Nominal Voltage	48V
Nominal Capacity	200Ah@0.5C
Max. Charge Current	100A(0.5C)
End Charging Voltage	55V
Rated Discharging Current	100A(0.5C)
Max. Discharge Current	100A(0.5C)
End Discharging Voltage	40.5V
Operating Environment Temperature	-10~55 C
Storage Temperature	-20~45 C (in 1 month) 15~35 C (in 6 months)
Design Life	≥10 years
Communication	RS232, RS485
Cycle Life	3500 cycles @0.5C 25 C 80%DOD
Dimensions (W*D*H)	442mm*530mm*220mm excluding monting ears
Weight	≤80 kg

*6000cycle coming soon

Network Power Li-ion Battery Solution

