

Backup Power Supply for Communication Base Station



- ECE Energy specializes in producing various 19-inch communication base station batteries and 5G base station backup power. Sufficient battery capacity, stable performance and less running faults. Over the years, ECE has been rated as China Tower, China Unicom and China Mobile high-quality lithium battery supplier.

Product Features

- **Good temperature performance**

When charge and discharge at 60°C, 105% rated capacity can be discharged. When charge and discharge at -20°C and above, the discharge capacity is more than 80%.

- **Stable product performance**

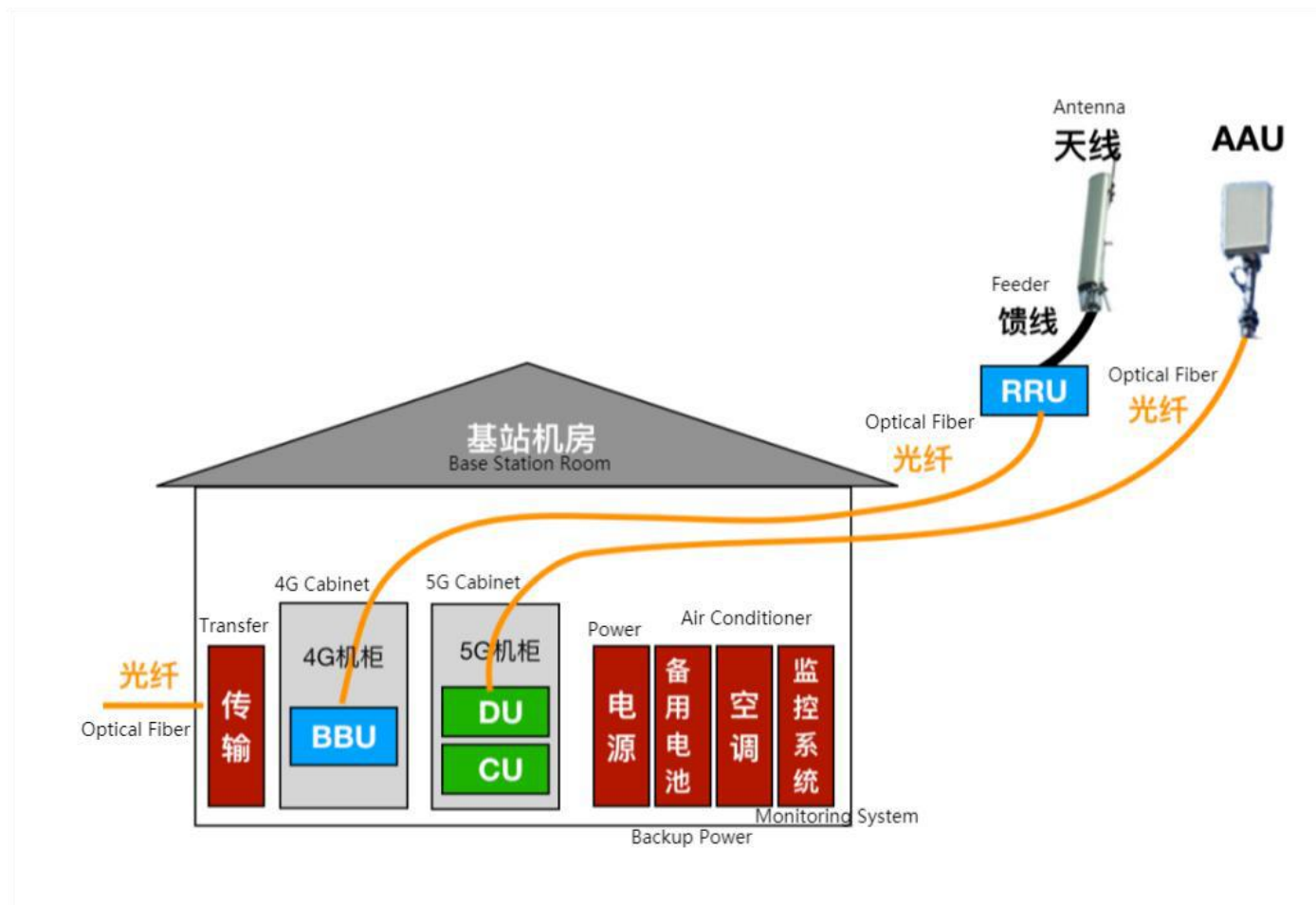
Our lithium battery are not fire and not burning after charge, charge and discharge, short circuit, drop, vibration, heating, and other tests.

- **High charging efficiency**

Capacity efficiency reaches 100%, charge 80AH, also released 80AH when discharge.

- **Long cycle life and service life**

80%DOD, more than 3,500 cycles; Service life is more than 8 years at the communication base station.



- **System working principle diagram**

48V50Ah

- The product has the characteristics of safety, reliability, centralized monitoring, convenient installation and maintenance, and long cycle life. It is suitable for various stable and semi-stable power grid areas as communication power supply systems and new energy energy storage systems.
- The communication interface adopts communication protocols such as RS485/CAN and can read battery voltage, current, temperature, capacity and other information.
- High energy density, reduced load-bearing and floor space.
- Excellent high current charge and discharge performance.
- Intelligent operation, simple operation, ready to use.



Battery model	48V50Ah	Operating voltage protection range	37.5VDC~54.75VDC	Battery case	Metal shell
Voltage	48V	Charging temperature	0°C ~ 55°C	Size	W*D*H/ 430*349*133mm (excluding connectors)
Capacity	50Ah	Discharging temperature	-20°C ~ 55°C	Protection function	Short circuit, overload, over temperature, over voltage, over current, low voltage, etc.
Energy	2400wh	Storage temperature	10°C ~ 35°C	Anti-theft function	GPS
Standard charging&discharging current	25A	Cycle life	≥4000times , ≥80%DOD	Weight	≈25KG
Maximum continuous charging&discharging current	50A	Maximum number of parallel connections	15	Applications	Telecom base stations, industrial electricity, energy storage systems and other small mobile communication fields

48V100Ah

- The product has the characteristics of safety, reliability, centralized monitoring, convenient installation and maintenance, and long cycle life. It is suitable for various stable and semi-stable power grid areas as communication power supply systems and new energy energy storage systems.
- The communication interface adopts communication protocols such as RS485/CAN and can read battery voltage, current, temperature, capacity and other information.
- High energy density, reduced load-bearing and floor space.
- Excellent high current charge and discharge performance.
- Intelligent operation, simple operation, ready to use.



Battery model	48V100Ah	Operating voltage protection range	37.5VDC~54.75VDC	Battery case	Metal shell
Voltage	48V	Charging temperature	0°C ~ 55°C	Size	W*D*H/ 450*440*178mm (excluding connectors)
Capacity	100Ah	Discharging temperature	-20°C ~ 55°C	Protection function	Short circuit, overload, over temperature, over voltage, over current, low voltage, etc.
Energy	4800wh	Storage temperature	10°C ~ 35°C	Anti-theft function	GPS
Standard charging&discharging current	50A	Cycle life	≥4000times , ≥80%DOD	Weight	≈48KG
Maximum continuous charging&discharging current	100A	Maximum number of parallel connections	15	Applications	Telecom base stations, industrial electricity, energy storage systems and other small mobile communication fields

48V150Ah

- The product has the characteristics of safety, reliability, centralized monitoring, convenient installation and maintenance, and long cycle life. It is suitable for various stable and semi-stable power grid areas as communication power supply systems and new energy energy storage systems.
- The communication interface adopts communication protocols such as RS485/CAN and can read battery voltage, current, temperature, capacity and other information.
- High energy density, reduced load-bearing and floor space.
- Excellent high current charge and discharge performance.
- Intelligent operation, simple operation, ready to use.



Battery model	48V150Ah	Operating voltage protection range	37.5VDC~54.75VDC	Battery case	Metal shell
Voltage	48V	Charging temperature	0°C ~ 55°C	Size	W*D*H/ 420*420*236mm (excluding connectors)
Capacity	150Ah	Discharging temperature	-20°C ~ 55°C	Protection function	Short circuit, overload, over temperature, over voltage, over current, low voltage, etc.
Energy	7200wh	Storage temperature	10°C ~ 35°C	Anti-theft function	GPS
Standard charging&discharging current	75A	Cycle life	≥4000times , ≥80%DOD	Weight	≈60KG
Maximum continuous charging&discharging current	150A	Maximum number of parallel connections	15	Applications	Telecom base stations, industrial electricity, energy storage systems and other small mobile communication fields

48V200Ah



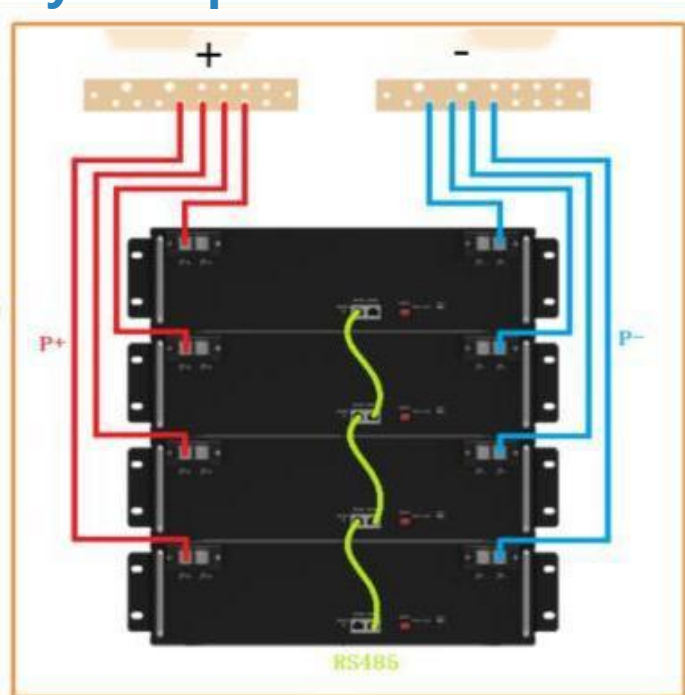
- The product has the characteristics of safety, reliability, centralized monitoring, convenient installation and maintenance, and long cycle life. It is suitable for various stable and semi-stable power grid areas as communication power supply systems and new energy energy storage systems.
- The communication interface adopts communication protocols such as RS485/CAN and can read battery voltage, current, temperature, capacity and other information.
- High energy density, reduced load-bearing and floor space.
- Excellent high current charge and discharge performance.
- Intelligent operation, simple operation, ready to use.



Battery model	48V206Ah	Operating voltage protection range	37.5VDC~54.75VDC	Battery case	Metal shell
Voltage	48V	Charging temperature	0°C ~ 55°C	Size	W*D*H/ 400*547*248mm (excluding connectors)
Capacity	206Ah	Discharging temperature	-20°C ~ 55°C	Protection function	Short circuit, overload, over temperature, over voltage, over current, low voltage, etc.
Energy	9888wh	Storage temperature	10°C ~ 35°C	Anti-theft function	GPS
Standard charging&discharging current	100A	Cycle life	≥4000times , ≥80%DOD	Weight	≈80KG
Maximum continuous charging&discharging current	200A	Maximum number of parallel connections	15	Applications	Telecom base stations, industrial electricity, energy storage systems and other small mobile communication fields

Multi-batteries in rack parallel

System parallel



Product characteristics

- Energy can be increased in parallel, and it is generally recommended that no more than 8 units are connected in parallel.
- Lithium battery pack has a special interface, which can realize fast connection and combination.

Rated voltage(V)	51.2	51.2	51.2	51.2	51.2	51.2	51.2
Rated capacity(Ah)	200	300	400	500	600	700	800
Rated energy(KWh)	10.24	15.36	20.48	25.6	30.72	35.84	40.96
System operating voltage range(V)	40~58.4	40~58.4	40~58.4	40~58.4	40~58.4	40~58.4	40~58.4
Maximum continuous charging current(A)	200	300	400	500	600	700	800
Maximum continuous charging current(A)	200	300	400	500	600	700	800
Standard charging current(A)	100	150	200	250	300	350	400
Standard discharging current(A)	100	150	200	250	300	350	400
Working temperature	-20°C~+60°C	-20°C~+60°C	-20°C~+60°C	-20°C~+60°C	-20°C~+60°C	-20°C~+60°C	-20°C~+60°C
Communication	RS485 / CAN	RS485 / CAN	RS485 / CAN	RS485 / CAN	RS485 / CAN	RS485 / CAN	RS485 / CAN
Weight(Kg)	100	150	200	250	300	350	400

Maintenance

