Pion Power ™

Providing smart and sustainable energy solutions:
solar energy systems, electric vehicle (EV) chargers, energy storage systems and more.

BATTERY PACK

XINERGY-U-48V/5.76kWh

7-Year Warranty
10-Year Battery Life Cycle

Smarter
- Stackable design that supports up to 8 parallel connections
- Sleep mode for lower power consumption
- Compatible with Pion Power Battery to provide customizable storage solutions

High Efficiency
- Faster charging speed
- Slower battery degradation from minimized memory effect

Longer Life Cycle
- Life cycle of more than 6,000 charging cycles
- High stability during its lifespan

Safer
- Natural convection cooling method
- IP 54 enclosure
- High temperature tolerance and overcharging protection

Easier
- Light weight portable size
- Simple installation
- Online updates available

Model	XINERGY-U-48V/5.76kWh
Battery Capacity	5.76kWh (0.3C@25℃)
Maximum Discharging Power	5kW
Depth of Discharge (DOD)	90%
Norminal Battery Voltage	48Vdc
Battery Voltage Range	37.5 - 54.75Vdc
Max. Charging Voltage	54.75Vdc
Continuous Discharging Current	100A (25℃)
Continuous Discharging Current	<80A (35℃)
Continuous Discharging Current	<50A (45℃)
Continuous Charging Current	<50A (25℃)
Peak Discharging Current	<120A (25℃,10s)
Efficency	> 97%
Operating Environment	Indoor/Outdoor
Operating Temperature	-10℃ ~ 45℃
Operating Humidity	<95%
Altitude	<3000m
Dimensions (W*H*D)	890mm*643mm*178mm
Weight	75kg
Cooling Method	Natural Convection
Enclosure Material	Alumium
Installation	Wall-mounted
Enclosure Type	IP54
Maximum Paralle Battery Packs	8
Paralle Setting	Auto-detect
Warranty	7 years (1 cycle per day)
Life cycle	>10 years
Communication	RS485/CAN
Multiple Protection	Triple hardwareprotection mechanism (Manual switch, Contactor, Fuse)
Protection Type	Overcurrent, Overvoltage, Shortcircuit, Undervoltage, Overtemperature, Undertemperature