

Package Solution of Lithium Battery and Lithium Battery Charger for Industrial Vehicles

Guangdong AiPower New Energy Technology Co.,Ltd.

- 📍 Address: Guangdong AiPower New Energy Technology Co., Ltd. AiPower Industrial Park, No.17, Dongshen Road, Changping Town, Dongguan City, 523570, China.
- ☎ Tel: +86-769-81031303
- ✉ Email: sales@evaisun.com
- 🌐 Web: www.evaisun.com

AIPOWER[®]

CATALOG OF LITHIUM BATTERY



Guangdong AiPower New Energy Technology Co.,Ltd.



Profile



- China leading manufacturer of lithium batteries, integrating R&D, manufacture, sales and service
- ISO9001, ISO45001, ISO14001 certified
- Highly automated and robotic workshop with area of 11,000 square meters
- Annual capacity is 7GWh
- 22 patents
- Lithium batteries with voltage ranging from 25.6V to 153.6V and capacity ranging from 18Ah to 840Ah
- Customization for new lithium batteries with different voltage and capacity is available

Lithium Batteries



Over 3000 life cycles of full charge and discharge



5-year warranty



Customizable



BMS & BTMS



4G module



High protection IP 54

Lithium Battery as Lead-acid Battery Alternative



Advantages

01 **Faster Charging and Discharging**

Reduce the charging and discharging time and allow for quicker use.

02 **Lower Cost**

Longer lifespan and much less maintenance reduce overall costs in the long run.

03 **Higher Energy Density**

Store more energy in a smaller and lighter package.

04 **Longer Lifespan**

3-5 times as long as lead-acid battery.

05 **Maintenance-free**

No need to add water or acid regularly.

06 **No Memory Effect**

Able to do opportunity charging anytime, for example, during coffee break, lunch time, shift change.

07 **Eco-friendly**

Contain no harmful heavy metals, without any pollutants during production and use.

Application



Electric forklift



Electric tractor



Electric stacker



Electric pallet truck



Electric sweeper



Electric wheel loader



Aerial work platform



Electric excavator

25.6V Lithium Battery



Battery Specification	
Rated Voltage	25.6V
Rated Capacity	150/173/230/280/302 Ah
Life Cycles <small>(Full Charge & Discharge)</small>	more than 3000
Communication	CAN
Cell Material	LiFePO4
Charging Port	REMA
IP	IP54
Ambient Temperature	Charge 0°C to 50°C
	Discharge -20°C to 50°C

Battery Chargers That Fit (24V)



• 400(H)×213(W)×278(D)mm

• 600(H)×560(W)×430(D)mm

Communication	CAN
Charging Plug	REMA
IP	IP20
Working Temperature	Working Normally -20°C to 45°C
	Output Reduced 45°C to 65°C

Model No. (Height)	Output Voltage Range	Input Voltage Range
APSP-24V 80A-220CE (400H)	16VDC-30VDC	Single-phase 90VAC-265VAC
APSP-24V 100A-220CE (400H)		
APSP-24V 150A-400CE (600H)	18VDC-32VDC	Three-phase Four-wire 320VAC-460VAC
APSP-24V 200A-400CE (600H)		
APSP-24V 250A-400CE (600H)		

48V Lithium Battery



51.2V Lithium Battery



Battery Specification

Rated Voltage	48/51.2V	
Rated Capacity	205/280/302/346/410/460/560/690Ah	
Life Cycles (Full Charge & Discharge)	more than 3000	
Communication	CAN	
Cell Material	LiFePO4	
Charging Port	REMA	
IP	IP54	
Ambient Temperature	Charge	0°C to 50°C
	Discharge	-20°C to 50°C

Battery Chargers That Fit (48V)



- 600(H)×560(W)×430(D)mm
- 800(H)×560(W)×430(D)mm

Communication	CAN	
Charging Plug	REMA	
IP	IP20	
Working Temperature	Working Normally	-20°C to 45°C
	Output Reduced	45°C to 65°C

Model No. (Height)	Output Voltage Range	Input Voltage Range
APSP-48V 100A-400CE (600H)	30VDC-60VDC	Three-phase Four-wire 320VAC-460VAC
APSP-48V 150A-400CE (600H)		
APSP-48V 200A-480CE (600H)		
APSP-48V 250A-480CE (600H)		
APSP-48V 300A-480CE (600H)		
APSP-48V 100A-400UL (600H)	30VDC-65VDC	Three-phase Four-wire 384VAC-528VAC
APSP-48V 150A-400UL (800H)		
APSP-48V 200A-480UL (800H)		

76.8V Lithium Battery



Battery Specification	
Rated Voltage	76.8V
Rated Capacity	205/280/302/346/410/460/560/690Ah
Life Cycles <small>(Full Charge & Discharge)</small>	more than 3000
Communication	CAN
Cell Material	LiFePO4
Charging Port	REMA
IP	IP54
Ambient Temperature	Charge 0°C to 50°C
	Discharge -20°C to 50°C

Battery Chargers That Fit (72V)



• 600(H)×560(W)×430(D)mm

• 800(H)×560(W)×430(D)mm

Communication	CAN
Charging Plug	REMA
IP	IP20
Working Temperature	Working Normally -20°C to 45°C
	Output Reduced 45°C to 65°C

Model No. (Height)	Output Voltage Range	Input Voltage Range
APSP-72V 150A-400CE (600H)	30VDC-90VDC	Three-phase Four-wire 320VAC-460VAC
APSP-72V 200A-400CE (600H)		
APSP-72V 100A-480UL (600H)	30VDC-90VDC	Three-phase Four-wire 384VAC-528VAC
APSP-72V 200A-480UL (800H)		
APSP-72V 200A-480UL (800H)		

80V Lithium Battery



Battery Specification	
Rated Voltage	80V
Rated Capacity	205/280/302/346/410/460/560/690Ah
Life Cycles (Full Charge & Discharge)	more than 3000
Communication	CAN
Cell Material	LiFePO4
Charging Port	REMA
IP	IP54
Ambient Temperature	Charge 0°C to 50°C
	Discharge -20°C to 50°C

Battery Chargers That Fit (80V)



Communication	CAN
Charging Plug	REMA
IP	IP20
Working Temperature	Working Normally -20°C to 45°C
	Output Reduced 45°C to 65°C

Model No. (Height)	Output Voltage Range	Input Voltage Range
APSP-80V 100A-400CE (600H)	30VDC-100VDC	Three-phase Four-wire 320VAC-460VAC
APSP-80V 150A-400CE (600H)		
APSP-80V 200A-480CE (600H)		
APSP-80V 100A-480UL (600H)	30VDC-100VDC	Three-phase Four-wire 384VAC-528VAC
APSP-80V 150A-480UL (800H)		
APSP-80V 200A-480UL (800H)		
APSP-80V 200A-2Q/480UL (800H)		

Main Customers



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