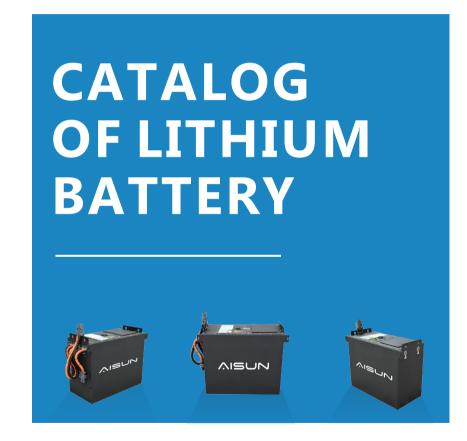
# Package Solution of Lithium Battery and Lithium Battery Charger for Industrial Vehicles

### **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











### **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**









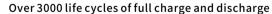














BMS & BTMS



5-year warranty



4G module



Customizable



High protection IP 54



### **Lithium Battery as Lead-acid Battery Alternative**







### **Advantages**

#### **Faster Charging and Discharging**

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

#### **Lower Cost**

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

#### **Higher Energy Density**

Store more energy in a smaller and lighter package.

#### **Longer Lifespan**

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

#### Maintenance-free

No need to add water or acid regularly.

### No Memory Effect

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

### **Eco-friendly**

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

### **Application**







Electric stacker



**Electric pallet truck** 







**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 (Full Charge & Discharge)	more than 3000	
Communication	CAN	
Cell Material	LiFePO4	
Charging Port	REMA	
IP	IP54	
Ambient	Charge 0°C to 50°C	
Temperature	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	Working Normally	-20°C to 45°C
Temperature	Output Reduced	45°C to 65°C

Model No. (Height)	Output Voltage Range	Input Voltage Range
APSP-24V 80A-220CE (400H)	16VDC 20VDC	Single-phase 90VAC-265VAC
APSP-24V 100A-220CE (400H)	16VDC-30VDC	
APSP-24V 150A-400CE (600H)		
APSP-24V 200A-400CE (600H)	18VDC-32VDC	Three-phase Four-wire 320VAC-460VAC
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 30	00
Communication	CAN	
Cell Material	LiFePO4	
Charging Port	REMA	
IP	IP54	
Ambient	Charge	0°C to 50°C
Temperature	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	Working Normally	-20°C to 45°C
Temperature	Output Reduced	45°C to 65°C

Model No. (Height)	Output Voltage Range	Input Voltage Range
APSP-48V 100A-400CE (600H)		
APSP-48V 150A-400CE (600H)	30VDC-60VDC	
APSP-48V 200A-480CE (600H)		Three-phase Four-wire
APSP-48V 250A-480CE (600H)		320VAC-460VAC
APSP-48V 300A-480CE (600H)		
APSP-48V 100A-400UL (600H)		
APSP-48V 150A-400UL (800H)	30VDC-65VDC	Three-phase Four-wire 384VAC-528VAC
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 (Full Charge & Discharge)	more than 3000	
Communication	CAN	
Cell Material	LiFePO4	
Charging Port	REMA	
IP	IP54	
Ambient	Charge 0°C to 50°C	
Temperature	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	Working Normally	-20°C to 45°C
Temperature	Output Reduced	45°C to 65°C

Model No. (Height)	Output Voltage Range	Input Voltage Range
APSP-72V 150A-400CE (600H)		Three-phase
APSP-72V 200A-400CE (600H)	30VDC-90VDC	Four-wire 320VAC-460VAC
APSP-72V 100A-480UL (600H)		
APSP-72V 200A-480UL (800H)		Three-phase Four-wire 384VAC-528VAC
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	Charge 0°C to 50°C	
Temperature	Discharge -20°C to 50°C	

# **Battery Chargers That Fit (80V)**



• 600(H)×560(W)×430(D)mm





•800(H)×560(W)×430(D)mm

•800(H)×560(W)×430(D)mm

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

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



### **Main Customers**



















