



**Guangdong Aipower New Energy Technology Co.,Ltd.**

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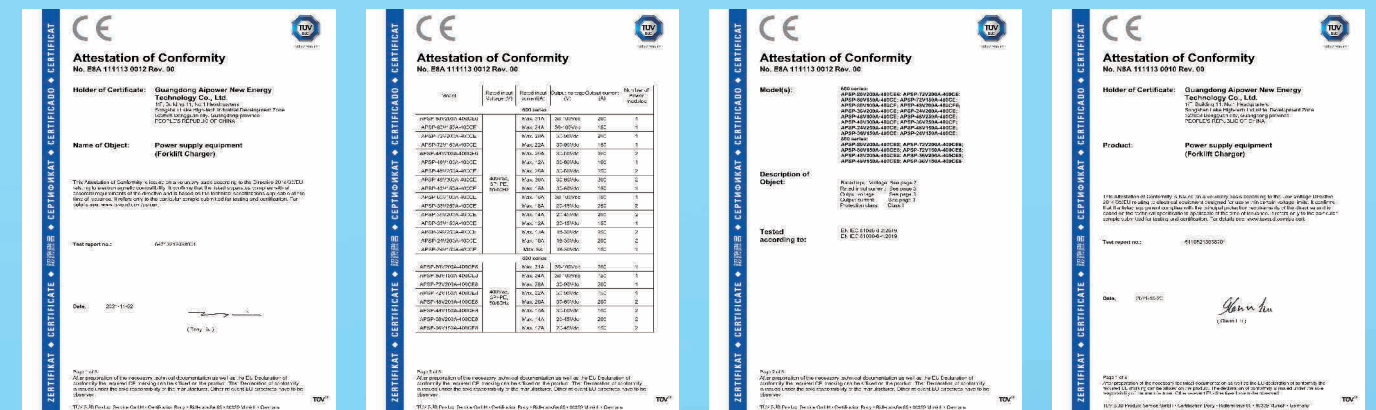


## Certificates • • •



## Profile • • •

- China Top Manufacturer of Lithium Battery Chargers
- Founded in 2015
- Registered Capital: 14.5 million USD (=100 million RMB)
- Area of factory: 20,000 square meters
- Factory Certification: ISO45001, ISO14001, ISO9001, IATF16949
- Service: OEM, ODM, Customization
- Sub-companies producing metal housings, power modules and lithium batteries
- Main Customers: BYD, HELI, XCMG, LIUGONG, JAC, LONKING, etc.







24V

36V

48V

72V

80V

48V

72V

80V

- ◆ APSP-24V80A-220CE
- ◆ APSP-24V100A-220CE
- ◆ APSP-24V150A-400CE
- ◆ APSP-24V200A-400CE
- ◆ APSP-24V250A-400CE
- ◆ APSP-36V150A-400CE
- ◆ APSP-36V200A-400CE
- ◆ APSP-36V250A-400CE
- ◆ APSP-48V100A-400CE
- ◆ APSP-48V150A-400CE
- ◆ APSP-48V200A-400CE6
- ◆ APSP-48V250A-400CE
- ◆ APSP-48V300A-400CE
- ◆ APSP-72V150A-400CE
- ◆ APSP-72V200A-400CE
- ◆ APSP-80V100A-400CE
- ◆ APSP-80V150A-400CE
- ◆ APSP-80V200A-400CE6

- ◆ APSP-48V100A-480UL
- ◆ APSP-48V150A-480UL
- ◆ APSP-48V200A-480UL8
- ◆ APSP-72V100A-480UL
- ◆ APSP-72V150A-480UL
- ◆ APSP-72V200A-480UL
- ◆ APSP-80V100A-480UL
- ◆ APSP-80V150A-480UL
- ◆ APSP-80V200A-480UL8
- ◆ APSP-80V200A-2Q480UL

Application . . .



Electric Forklift



AGV



AMR



Electric Excavator



Trolling Motor



Electric Wheel Loader

Application . . .



Electric Forklift



AGV



AMR



Electric Excavator



Trolling Motor






Electric Wheel Loader



Product . . .



Features . . .

- 
- **Portable.** Easy to hold with one hand.
  - **Excellent electrical properties.** PFC+LLC soft switching technology with high conversion efficiency and high density of module power.
  - **User-friendly and convenient UI.** Manage charging through LCD display+TP+LED+buttons.
  - **Wide output and input voltage range.** Provide battery with stable and reliable charging under unstable power supply.
  - **Fast, safe and smart.** With BMS CAN communication to realize smart management and ensure fast, stable, safe charging and long life.
  - **Complete protection and self-diagnosis.** With protection against over-charge, overvoltage, etc., realizing self-diagnosis and fault display.
  - **Modular design.** Hot-swap and modularized design simplify component maintenance and decrease MTTR (Mean Time To Repair).
  - **High quality.** CE certified by TUV.

Model	APSP-24V80A-220CE	APSP-24V100A-220CE
DC Output		
Rated Output Power	1.92kW	2.4kW
Rated Output Current	80A	100A
Output Voltage Range	16VDC~30VDC	
Current Adjustable Range	5A~80A	5A~100A
Ripple Wave	≤1%	
Efficiency	≥92%	
Stable Voltage Precision	≤±0.5%	
Protection	Short circuit, Overcurrent, Overvoltage, Reverse Connection and Over-Temperature Protection	
AC Input		
Rated Input Voltage Degree	Single-phase 220VAC	
Input voltage range	90VAC~256VAC	
Input current range	≤12A	≤15A
Frequency	50Hz~60Hz	
Power factor	≥0.99	
Current distortion	≤5%	
Input Protection	Overvoltage, Under-voltage, Overcurrent and lack of phase Protection	
Working Environment		
Working Environment Temperature	-20°C~45°C work normoally	
	45°C~65°C reduce output	
	Over 65°C Shutdown	
Storage Temperature	-40°C~75°C	
Relative Humidity	0~95%	
Altitude	≤2000m Full load output, >2000m Use in accordance with the provisions of 5.11.2 in GB/T389.2-1993	
Product Safety and Reliability		
Insulation Strength	IN-OUT: 2120VDC IN-SHELL: 2120VD OUT-SHELL: 2120VDC	
Dimensions and Weight		
Outline Dimensions(mm)	400(H)x213(W)x278(D)	
Net Weight	13.5KG	
Protection Class	IP20	
Others		
Output Connector	REMA plug	
Heat Dissipation	Forced Air-cooling	



Product ● ● ●



Features ● ● ●



- **Portable.** Easy to hold with one hand.
- **Excellent electrical properties.** PFC+LLC soft switching technology with high conversion efficiency and high density of module power.
- **User-friendly and convenient UI.** Manage charging through LCD display+TP+LED+buttons.
- **Wide output and input voltage range.** Provide battery with stable and reliable charging under unstable power supply.
- **Fast, safe and smart.** With BMS CAN communication to realize smart management and ensure fast, stable, safe charging and long life.
- **Complete protection and self-diagnosis.** With protection against over-charge, overvoltage, etc., realizing self-diagnosis and fault display.
- **Modular design.** Hot-swap and modularized design simplify component maintenance and decrease MTTR (Mean Time To Repair).
- **High quality.** CE and UL certified by TUV.

Model	APSP-24V150A-400CE	APSP-24V200A-400CE	APSP-24V250A-400CE
DC Output			
Rated Output Power	3.6kW	4.8kW	6kW
Rated Output Current	150A	200A	250A
Output Voltage Range	18VDC~32VDC		
Current Adjustable Range	5A~150A	5A~200A	5A~250A
Ripple Wave	≤1%		
Efficiency	≥92%		
Stable Voltage Precision	≤±0.5%		
Protection	Short circuit, Overcurrent, Overvoltage, Reverse Connection and Over-Temperature Protection		
AC Input			
Rated Input Voltage Degree	Three-phase Four-wire 400VAC		
Input voltage range	320VAC~460VAC		
Input current range	≤8A	≤10A	≤13A
Frequency	50Hz~60Hz		
Power factor	≥0.99		
Current distortion	≤5%		
Input Protection	Overvoltage, Under-voltage, Overcurrent and lack of phase Protection		
Working Environment			
Working Environment Temperature	-20℃~45℃ work normoally		
	45℃~65℃ reduce output		
	Over 65℃ Shutdown		
Storage Temperature	-40℃~75℃		
Relative Humidity	0~95%		
Altitude	≤2000m Full load output, >2000m Use in accordance with the provisions of 5.11.2 in GB/T389.2-1993		
Product Safety and Reliability			
Insulation Strength	IN-OUT: 2120VDC IN-SHELL: 2120VD OUT-SHELL: 2120VDC		
Dimensions and Weight			
Outline Dimensions(mm)	600(H)x560(W)x430(D)		
Net Weight	64.5KG		
Protection Class	IP20		
Others			
Output Connector	REMA plug		
Heat Dissipation	Forced Air-cooling		



Model	APSP-36V150A-400CE	APSP-36V200A-400CE	APSP-36V250A-400CE
DC Output			
Rated Output Power	5.4kW	7.2kW	9kW
Rated Output Current	150A	200A	250A
Output Voltage Range	20VDC~45VDC		
Current Adjustable Range	5A~150A	5A~200A	5A~250A
Ripple Wave	≤1%		
Efficiency	≥92%		
Stable Voltage Precision	≤±0.5%		
Protection	Short circuit, Overcurrent, Overvoltage, Reverse Connection and Over-Temperature Protection		
AC Input			
Rated Input Voltage Degree	Three-phase Four-wire 400VAC		
Input voltage range	320VAC~460VAC		
Input current range	≤12A	≤14A	≤18A
Frequency	50Hz~60Hz		
Power factor	≥0.99		
Current distortion	≤5%		
Input Protection	Overvoltage, Under-voltage, Overcurrent and lack of phase Protection		
Working Environment			
Working Environment Temperature	-20°C~45°C work normoally		
	45°C~65°C reduce output		
	Over 65°C Shutdown		
Storage Temperature	-40°C~75°C		
Relative Humidity	0~95%		
Altitude	≤2000m Full load output, >2000m Use in accordance with the provisions of 5.11.2 in GB/T389.2-1993		
Product Safety and Reliability			
Insulation Strength	IN-OUT: 2120VDC IN-SHELL: 2120VD OUT-SHELL: 2120VDC		
Dimensions and Weight			
Outline Dimensions(mm)	600(H)x560(W)x430(D)		
Net Weight	64.5KG		
Protection Class	IP20		
Others			
Output Connector	REMA plug		
Heat Dissipation	Forced Air-cooling		

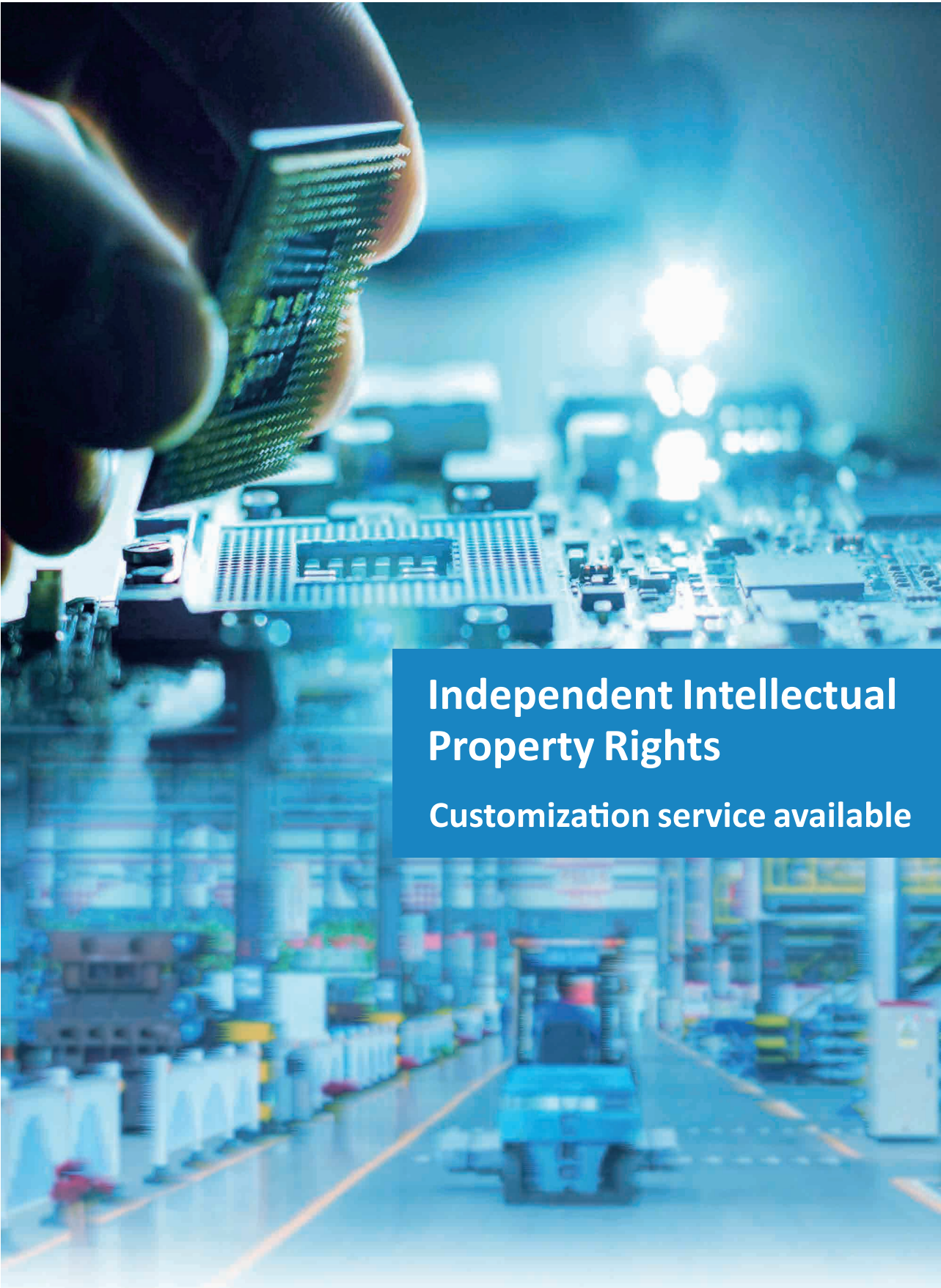
Model	APSP-48V100A-400CE	APSP-48V100A-480UL	APSP-48V150A-400CE
DC Output			
Rated Output Power	4.8kW	4.8kW	7.2kW
Rated Output Current	100A	100A	150A
Output Voltage Range	30VDC~60VDC	30VDC~65VDC	30VDC~60VDC
Current Adjustable Range	5A~100A	5A~100A	5A~150A
Ripple Wave	≤1%		
Efficiency	≥92%		
Stable Voltage Precision	≤±0.5%		
Protection	Short circuit, Overcurrent, Overvoltage, Reverse Connection and Over-Temperature Protection		
AC Input			
Rated Input Voltage Degree	Three-phase Four-wire 400VAC	Three-phase Four-wire 480VAC	Three-phase Four-wire 400VAC
Input voltage range	320VAC~460VAC	384VAC~528VAC	320VAC~460VAC
Input current range	≤12A	≤9A	≤15A
Frequency	50Hz~60Hz		
Power factor	≥0.99		
Current distortion	≤5%		
Input Protection	Overvoltage, Under-voltage, Overcurrent and lack of phase Protection		
Working Environment			
Working Environment Temperature	-20℃~45℃ work normoally		
	45℃~65℃ reduce output		
	Over 65℃ Shutdown		
Storage Temperature	-40℃~75℃		
Relative Humidity	0~95%		
Altitude	≤2000m Full load output, >2000m Use in accordance with the provisions of 5.11.2 in GB/T389.2-1993		
Product Safety and Reliability			
Insulation Strength	IN-OUT: 2120VDC IN-SHELL: 2120VD OUT-SHELL: 2120VDC	IN-OUT: 2200VDC IN-SHELL: 2200VD OUT-SHELL: 1700VDC	IN-OUT: 2120VDC IN-SHELL: 2120VD OUT-SHELL: 2120VDC
Dimensions and Weight			
Outline Dimensions(mm)	600(H)x560(W)x430(D)		
Net Weight	64.5KG	55KG	64.5KG
Protection Class	IP20		
Others			
Output Connector	REMA plug		
Heat Dissipation	Forced Air-cooling		



Model	APSP-48V200A-400CE	APSP-48V250A-400CE	APSP-48V300A-400CE
DC Output			
Rated Output Power	9.6kW	12kW	14.4kW
Rated Output Current	200A	250A	300A
Output Voltage Range	30VDC~60VDC		
Current Adjustable Range	5A~200A	5A~250A	5A~300A
Ripple Wave	≤1%		
Efficiency	≥92%		
Stable Voltage Precision	≤±0.5%		
Protection	Short ciruit, Overcurrent, Overvoltage, Reverse Connection and Over-Temperature Protection		
AC Input			
Rated Input Voltage Degree	Three-phase Four-wire 400VAC		
Input voltage range	320VAC~460VAC		
Input current range	≤20A	≤26A	≤30A
Frequency	50Hz~60Hz		
Power factor	≥0.99		
Current distortion	≤5%		
Input Protection	Overvoltage, Under-voltage, Overcurrent and lack of phase Protection		
Working Environment			
Working Environment Temperature	-20°C~45°C work normoally		
	45°C~65°C reduce output		
	Over 65°C Shutdown		
Storage Temperature	-40°C~75°C		
Relative Humidity	0~95%		
Altitude	≤2000m Full load output, >2000m Use in accordance with the provisions of 5.11.2 in GB/T389.2-1993		
Product Safety and Reliability			
Insulation Strength	IN-OUT: 2120VDC IN-SHELL: 2120VD OUT-SHELL: 2120VDC		
Dimensions and Weight			
Outline Dimensions(mm)	600(H)x560(W)x430(D)		
Net Weight	64.5KG		
Protection Class	IP20		
Others			
Output Connector	REMA plug		
Heat Dissipation	Forced Air-cooling		

Model	APSP-72V100A-480UL	APSP-72V150A-400CE	APSP-72V200A-400CE
DC Output			
Rated Output Power	7.2kW	10.8kW	14.4kW
Rated Output Current	100A	150A	200A
Output Voltage Range	30VDC~90VDC		
Current Adjustable Range	5A~100A	5A~150A	5A~200A
Ripple Wave	≤1%		
Efficiency	≥92%		
Stable Voltage Precision	≤±0.5%		
Protection	Short circuit, Overcurrent, Overvoltage, Reverse Connection and Over-Temperature Protection		
AC Input			
Rated Input Voltage Degree	Three-phase Four-wire 480VAC	Three-phase Four-wire 400VAC	Three-phase Four-wire 400VAC
Input voltage range	384VAC~528VAC	320VAC~460VAC	320VAC~460VAC
Input current range	≤12A	≤22A	≤28A
Frequency	50Hz~60Hz		
Power factor	≥0.99		
Current distortion	≤5%		
Input Protection	Overvoltage, Under-voltage, Overcurrent and lack of phase Protection		
Working Environment			
Working Environment Temperature	-20℃~45℃ work normoally		
	45℃~65℃ reduce output		
	Over 65℃ Shutdown		
Storage Temperature	-40℃~75℃		
Relative Humidity	0~95%		
Altitude	≤2000m Full load output, >2000m Use in accordance with the provisions of 5.11.2 in GB/T389.2-1993		
Product Safety and Reliability			
Insulation Strength	IN-OUT: 2200VDC IN-SHELL: 2200VD OUT-SHELL: 1700VDC	IN-OUT: 2120VDC IN-SHELL: 2120VD OUT-SHELL: 2120VDC	
Dimensions and Weight			
Outline Dimensions(mm)	600(H)x560(W)x430(D)		
Net Weight	55KG	64.5KG	64.5KG
Protection Class	IP20		
Others			
Output Connector	REMA plug		
Heat Dissipation	Forced Air-cooling		

Model	APSP-80V100A-480UL	APSP-80V100A-400CE	APSP-80V150A-400CE	APSP-80V200A-400CE6
DC Output				
Rated Output Power	8kW	8kW	12kW	16kW
Rated Output Current	100A	100A	150A	200A
Output Voltage Range	30VDC~100VDC			
Current Adjustable Range	5A~100A	5A~100A	5A~150A	5A~200A
Ripple Wave	≤1%			
Efficiency	≥92%			
Stable Voltage Precision	≤±0.5%			
Protection	Short circuit, Overcurrent, Overvoltage, Reverse Connection and Over-Temperature Protection			
AC Input				
Rated Input Voltage Degree	Three-phase Four-wire 480VAC	Three-phase Four-wire 400VAC		
Input voltage range	384VAC~528VAC	320VAC~460VAC		
Input current range	≤13A	≤16A	≤24A	≤31A
Frequency	50Hz~60Hz			
Power factor	≥0.99			
Current distortion	≤5%			
Input Protection	Overvoltage, Under-voltage, Overcurrent and lack of phase Protection			
Working Environment				
Working Environment Temperature	-20℃~45℃ work normoally			
	45℃~65℃ reduce output			
	Over 65℃ Shutdown			
Storage Temperature	-40℃~75℃			
Relative Humidity	0~95%			
Altitude	≤2000m Full load output, >2000m Use in accordance with the provisions of 5.11.2 in GB/T389.2-1993			
Product Safety and Reliability				
Insulation Strength	IN-OUT: 2200VDC IN-SHELL: 2200VD OUT-SHELL: 1700VDC	IN-OUT: 2120VDC IN-SHELL: 2120VD OUT-SHELL: 2120VDC		
Dimensions and Weight				
Outline Dimensions(mm)	600(H)x560(W)x430(D)			
Net Weight	55KG	64.5KG	64.5KG	64.5KG
Protection Class	IP20			
Others				
Output Connector	REMA plug			
Heat Dissipation	Forced Air-cooling			



Independent Intellectual  
Property Rights  
Customization service available



Product ● ● ●



Features ● ● ●



- **Complete protection and self-diagnosis.** With protection against overcharge, overvoltage, etc., realizing self-diagnosis and fault display.
- **User-friendly and convenient UI.** Manage charging through LCD display +TP+LED+buttons.
- **Excellent electrical properties.** PFC+LLC soft switching technology with high conversion efficiency and high density of module power.
- **Fast, safe and smart.** With BMS CAN communication to realize smart management and ensure fast, stable, safe charging and long life.
- **Wide output and input voltage range.** Provide battery with stable and reliable charging under unstable power supply.
- **Modular design.** Hot-swap and modularized design simplify component maintenance and decrease MTTR (Mean Time To Repair).
- **High quality.** UL certified by TUV.

Model	APSP48V150A-480UL	APSP-48V200A- 480UL8
DC Output		
Rated Output Power	7.2kW	9.6kW
Rated Output Current	150A	200A
Output Voltage Range	30VDC~65VDC	
Current Adjustable Range	5A~150A	5A~200A
Ripple Wave	≤1%	
Efficiency	≥92%	
Stable Voltage Precision	≤±0.5%	
Protection	Short circuit, Overcurrent, Overvoltage, Reverse Connection and Over-Temperature Protection	
AC Input		
Rated Input Voltage Degree	Three-phase Four-wire 480VAC	
Input voltage range	384VAC~528VAC	
Input current range	≤13A	≤16A
Frequency	50Hz~60Hz	
Power factor	≥0.99	
Current distortion	≤5%	
Input Protection	Overvoltage, Under-voltage, Overcurrent and lack of phase Protection	
Working Environment		
Working Environment Temperature	-20°C~45°C work normoally	
	45°C~65°C reduce output	
	Over 65°C Shutdown	
Storage Temperature	-40°C~75°C	
Relative Humidity	0~95%	
Altitude	≤2000m Full load output, >2000m Use in accordance with the provisions of 5.11.2 in GB/T389.2-1993	
Product Safety and Reliability		
Insulation Strength	IN-OUT: 2200VDC IN-SHELL: 2200VD OUT-SHELL: 1700VDC	
Dimensions and Weight		
Outline Dimensions(mm)	800(H)x560(W)x430(D)	
Net Weight	64.5KG	
Protection Class	IP20	
Others		
Output Connector	REMA plug	
Heat Dissipation	Forced Air-cooling	

Model	APSP-72V150A-480UL	APSP-72V200A-480UL
DC Output		
Rated Output Power	10.8kW	14.4kW
Rated Output Current	150A	200A
Output Voltage Range	30VDC~90VDC	
Current Adjustable Range	5A~150A	5A~200A
Ripple Wave	≤1%	
Efficiency	≥92%	
Stable Voltage Precision	≤±0.5%	
Protection	Short ciuit, Overcurrent, Overvoltage, Reverse Connection and Over-Temperature Protection	
AC Input		
Rated Input Voltage Degree	Three-phase Four-wire 480VAC	
Input voltage range	384VAC~528VAC	
Input current range	≤18A	≤24A
Frequency	50Hz~60Hz	
Power factor	≥0.99	
Current distortion	≤5%	
Input Protection	Overvoltage, Under-voltage, Overcurrent and lack of phase Protection	
Working Environment		
Working Environment Temperature	-20°C~45°C work normoally	
	45°C~65°C reduce output	
	Over 65°C Shutdown	
Storage Temperature	-40°C~75°C	
Relative Humidity	0~95%	
Altitude	≤2000m Full load output, >2000m Use in accordance with the provisions of 5.11.2 in GB/T389.2-1993	
Product Safety and Reliability		
Insulation Strength	IN-OUT: 2200VDC IN-SHELL: 2200VD OUT-SHELL: 1700VDC	
Dimensions and Weight		
Outline Dimensions(mm)	800(H)x560(W)x430(D)	
Net Weight	64.5KG	
Protection Class	IP20	
Others		
Output Connector	REMA plug	
Heat Dissipation	Forced Air-cooling	




Model	APSP-80V150A-480UL	APSP-80V200A-480UL8
DC Output		
Rated Output Power	12kW	16kW
Rated Output Current	150A	200A
Output Voltage Range	30VDC~100VDC	
Current Adjustable Range	5A~150A	5A~200A
Ripple Wave	≤1%	
Efficiency	≥92%	
Stable Voltage Precision	≤±0.5%	
Protection	Short circuit, Overcurrent, Overvoltage, Reverse Connection and Over-Temperature Protection	
AC Input		
Rated Input Voltage Degree	Three-phase Four-wire 480VAC	
Input voltage range	384VAC~528VAC	
Input current range	≤20A	≤26A
Frequency	50Hz~60Hz	
Power factor	≥0.99	
Current distortion	≤5%	
Input Protection	Overvoltage, Under-voltage, Overcurrent and lack of phase Protection	
Working Environment		
Working Environment Temperature	-20°C~45°C work normoally	
	45°C~65°C reduce output	
	Over 65°C Shutdown	
Storage Temperature	-40°C~75°C	
Relative Humidity	0~95%	
Altitude	≤2000m Full load output, >2000m Use in accordance with the provisions of 5.11.2 in GB/T389.2-1993	
Product Safety and Reliability		
Insulation Strength	IN-OUT: 2200VDC IN-SHELL: 2200VD OUT-SHELL: 1700VDC	
Dimensions and Weight		
Outline Dimensions(mm)	800(H)x560(W)x430(D)	
Net Weight	64.5KG	
Protection Class	IP20	
Others		
Output Connector	REMA plug	
Heat Dissipation	Forced Air-cooling	



Product • • •



Features • • •

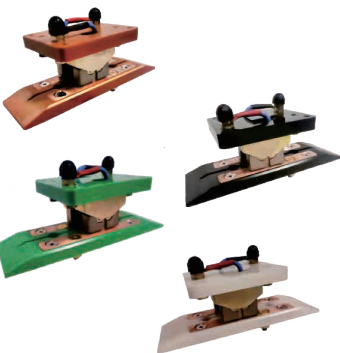
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- **Complete protection and self-diagnosis.** With protection against overcharge, overvoltage, etc., realizing self-diagnosis and fault display.
  - **User-friendly and convenient UI.** Manage charging through LCD display +TP+LED+buttons.
  - **Excellent electrical properties.** PFC+LLC soft switching technology with high conversion efficiency and high density of module power.
  - **Fast, safe and smart.** With BMS CAN communication to realize smart management and ensure fast, stable, safe charging and long life.
  - **Modular design.** Hot-swap and modularized design simplify component maintenance and decrease MTTR (Mean Time To Repair).
  - **Capacity expansion and parallel redundant operation.** Available for “single charger with 2 plugs charging one battery” or “single charger with 2 plugs charging two batteries.
  - **High quality.** UL certified by TUV.
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Model	APSP80V200A-2Q/480UL
DC Output	
Rated Output Power	32kW
Rated Output Current	200A /plug
Output Voltage Range	30VDC~100VDC/plug
Current Adjustable Range	5A~200A/plug
Ripple Wave	≤1%
Efficiency	≥92%
Stable Voltage Precision	≤±0.5%
Protection	Short circuit, Overcurrent, Overvoltage, Reverse Connection and Over-Temperature Protection
AC Input	
Rated Input Voltage Degree	Three-phase Four-wire 480VAC
Input voltage range	384VAC~528VAC
Input current range	≤58A
Frequency	50Hz~60Hz
Power factor	≥0.99
Current distortion	≤5%
Input Protection	Overvoltage, Under-voltage, Overcurrent and lack of phase Protection
Working Environment	
Working Environment Temperature	-20°C~45°C work normoally
	45°C~65°C reduce output
	Over 65°C Shutdown
Storage Temperature	-40°C~75°C
Relative Humidity	0~95%
Altitude	≤2000m Full load output, >2000m Use in accordance with the provisions of 5.11.2 in GB/T389.2-1993
Product Safety and Reliability	
Insulation Strength	IN-OUT: 2200VDC IN-SHELL: 2200VD OUT-SHELL: 1700VDC
Dimensions and Weight	
Outline Dimensions(mm)	800(H)x560(W)x430(D)
Net Weight	85KG
Protection Class	IP20
Others	
Output Connector	REMA plug
Heat Dissipation	Forced Air-cooling

● Lithium battery charger for AGV and AMR



Features ● ● ●



- **High-quality.** Steel-carbon alloy brush with great electrical conductivity, strong mechanical strength, excellent insulation, great heat resistance, and high corrosion resistance, allowing for customization.
- **Flexible and smart.** Able to charge for AGV with charging ports at the side, at the front or at the bottom. Wireless communication to smartly make AGV chargers to communicate and connect AGV.
- **Precise positioning.** Infrared positioning in transmitting-receiving, reflection, or diffuse reflection way. High-precision infrared photoelectric sensor.
- **Automatic.** Under automatic mode, it can charge automatically without being supervised by a person. It also has a manual mode.
- **Excellent electrical properties.** PFC+LLC soft switching technology with high conversion efficiency and high density of module power.
- **User-friendly and convenient UI.** Manage charging through LCD display +TP+LED+buttons.

Model	AGVC-80V200A-FT
DC Output	
Rated Output Power	16kW
Rated Output Current	200A
Output Voltage Range	30VDC~100VDC
Current Adjustable Range	5A~200A
Peak Noise	≤1%
Voltage Ragulation Accuracy	≤±0.5%
Efficiency	Out of load ≥50%, When rated, the overall efficiency ≥92% Out of load <50%, When rated, the overall efficiency ≥99%
Protection	Short circuit, Overcurrent, Overvoltage, Reverse Connection and Over-Temperature Protection
AC Input	
Input Voltage	AC 380V Three-phase Four-wire
Input current range	<36A
Frequency	50Hz~60Hz
(PF)Power Factor	≥0.94
(HDI)Current Distortion	≤5%
Input Protection	Overvoltage, Under-voltage, Overcurrent and lack of phase Protection
Working Environment	
Working Environment Temperature	-20°C~45°C work normoally
	45°C~65°C reduce output
	Over 65°C Shutdown
Storage Temperature	-40°C~75°C
Relative Humidity	0~95%
Altitude	≤2000m Full load output, >2000m Use in accordance with the provisions of 5.11.2 in GB/T389.2-1993
Product Safety and Reliability	
Insulation Strength	IN-OUT: 2800VDC/10mA/1Min IN-SHELL: 2800VDC /10mA/1Min OUT-SHELL: 2800V DC/10mA/1Min
	IN-OUT: DC 500V>10MΩ IN-SHELL: DC500V>10MΩ OUT-SHELL: DC500V>10MΩ
Dimensions and Weight	
Control Box Dimensions(mm)	655(L)x540(W)x570(H)
Telescopic Box Dimensions(mm)	630(L)x250(W)x580(H)
Net Weight	60KG





## Power Module • • •

### Multiple Options

- 1) High power as 20kw
- 2) Output voltage up to 120V

### High Adaptability

- 1) Wide input voltage 285V-475 V
- 2) Working temperature -40℃~ + 80℃

### High Performance

- 1) Standby power ≤9W
- 2) High efficiency up to 94%

### Convenient and Durable

- 1) Hot swap design
- 2) Anti-corrosion, anti-salt spray and anti-mildew

### 20kW Power Module

Size: 392mm(D)\*289mm(W)\*84mm(H)



**-40℃~+80℃**  
Working temperature



**≤9W**  
Standby power



**94%**  
Efficiency



## Cooperation with World Famous Brands





# Lithium Batteries of Aipower

 **Memorandum**



Compatible  
with our  
battery chargers



Rated Voltage	Regular Options for Rated Capacity	Life Cycles (Full Charge & Discharge)	Communication	Charging Port	IP
25.6V	205/280/302/346/410/ 460/560/690 Ah	More than 3000 times	CAN	REMA	IP54
48V					
51.2V					
76.8V					
80V	150/173/230/280/302 Ah				

NOTE: We offer package solution of lithium batteries and battery chargers. If you need more informatin about our batteries, please refer to our catalog of lithium battery.



Customizable



High Protection IP54



5-year Warranty



4G Module



Maintenance-free



Eco-friendly



BMS & BTMS



Faster Charging



# Memorandum



## Memorandum