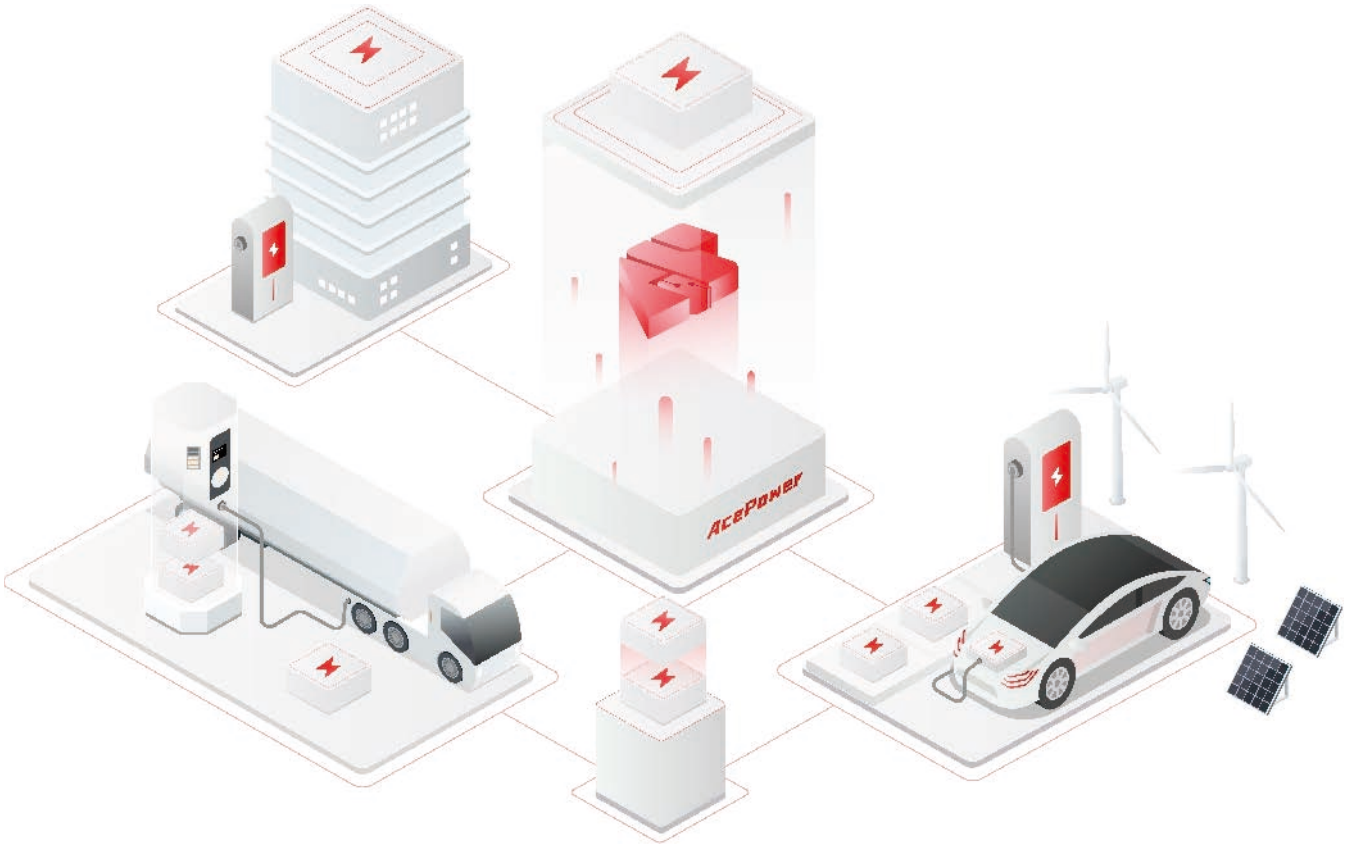
AcePower and Technologies Co.,Ltd.

安世博 AcePower

INDUSTRY LEADING PROVIDER OF EFFICIENT ENERGY SOLUTIONS



COMPANY PROFILE

AcePower and Technologies Co.,Ltd., is an industry-leading provider of high-efficiency energy solutions. The company focuses on the design, R&D, and manufacturing of high-efficiency, high-reliability power equipment in the era of electrification. Our products include high-efficiency high-power ultra-charging modules, on-board chargers (OBC), and Mega watt DC power supply system, covering scenarios such as NEV charging and swapping, on-board power supply, and large data center power supply.

In the field of ultra-fast charging, Ace Power, with its advanced silicon carbide device application technology, maintains an industry-leading efficiency in its high-efficiency charging modules (with full-load efficiency of 97%). Up till now, our products are widely used in many countries around the world.

As a vibrant and innovative enterprise, AcePower is accelerating towards its vision to become an ACE energy technology innovator in the era of electrification.

QUALIFICATION AND HONOR

>360
Total Employees

2 Bases
Shanghai R&D Headquarters
Suzhou Manufacturing Center

>170 million
Operating revenue (2023)

>30%
R&D Ratio

>20 years
Average Industry Experience

>50
Number of Patents

2023 Shanghai High-tech Enterprise

2023 Shanghai Technology-based Small and Medium-sized Enterprise

2024 Top 10 Competitive Brands in China's Charging and Swapping Industry

2023 Star Charge Annual Joint Innovation Award

2024 Best Technology Contribution Award in China's Charging and Swapping Industry

AUTHORIZED CERTIFICATION

PRODUCT PORTFOLIO

EV
Charging & Storage

Leading Electric Technology,
Silicon Carbide
High-Efficiency Technology

- High Efficiency
- Low Noise
- Liquid Cooling
- High Reliability
- Uni/Bidirectional
- Meeting International Standards

EV
Power Supply

High-Efficiency and Reliable
On-Board Charger

- High Efficiency, Long Lifespan
- Silicon Carbide Design
- High-Specification EMI, EMC
- Safe and Reliable Output Isolation

MW
Power Solution

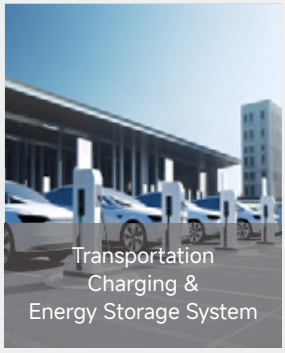
- Quick deployment
- Energy-efficient
- Simple and reliable
- Digital and intelligent management

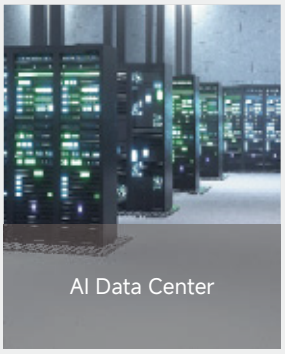
APPLICATION SCOPE

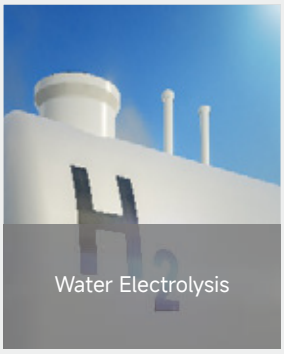

New Energy Vehicle Charging Stations

Residential Home Charging Stations


Power Supply Systems for New Energy Heavy-Duty Truck Battery Swapping Stations


Transportation Charging & Energy Storage System


AI Data Center


Water Electrolysis

R&D INNOVATION

Average Industry Experience

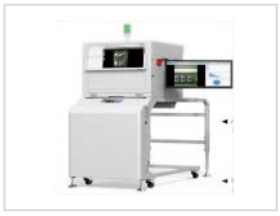
>20years

- AcePower has industry-leading capabilities and experience in power electronics R&D with more than 100 professional engineers.
- Our core research team has been dedicated to DC power supply technology for more than 20 years, focusing on the research, innovation, and application in areas including power electronic power conversion circuit topologies, embedded software control algorithms, human-machine interaction and monitoring communication technologies, as well as electrical system and thermal structure design.
- AcePower has been authorized 17 invention patents and has 52 patents pending.
- Recognized as high-tech enterprise and technology-based small and medium-sized enterprise in Shanghai.

MANUFACTURING

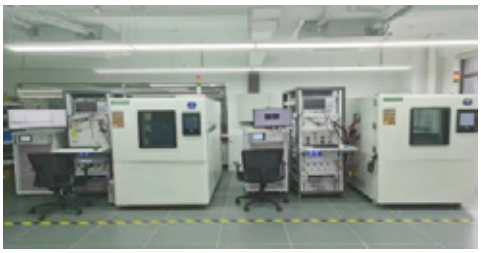
Our advanced Suzhou manufacturing center is outfitted with state-of-the-art automated machinery, intelligent control systems, and a production framework that meets automotive industry standards.




TEST & VALIDATION

AcePower possesses comprehensive testing and validation capabilities along with leading experimental equipment. This includes triple-temperature functional testing, temperature stress testing, key component electrical stress testing, functional testing, environmental reliability testing, EMS testing, aging tests, as well as ATS pre-shipment testing.


Triple-temperature Functional Testing


Temperature Stress Testing


Functional Testing


Reliability Testing


EMS Testing


ATS Pre-shipment Testing

AcePower

7kW

Charging Module

EV CHARGING & STORAGE

MAIN FEATURES

Lightweight

Engineered for effortless handling and installation.

Ultra-low noise

Acoustic noise level as low as **49.4dB**

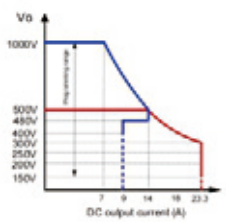
High efficiency

Full load efficiency up to **94.5%**

Excellent EMI

Meet **EMI Class B** standard

PARAMETERS

Product Model		U2A-A007B-A
AC Input	Input voltage	90~264Vac
	Max. input current	32A
	Input Phase	L+N+protective earth
	THD	<5% @rated power
	Power factor	>0.99 @rated power
DC Output	Rated Output Power	7KW （1000Vdc/7A）
	Output voltage	150~1000Vdc
	Constant Power Range	300~1000Vdc
	Max. Output current	23.3A
	Efficiency	94.5% @230Vac/800Vdc，@full load
Structural Parameters	Typical Noise	49.4dB @230Vac/1000Vdc，@full load
	Ingress Protection	IP20
	Protection Method	Full glue filling technology
	Dimension	D*W*H：210mm*210mm*84mm
	Weight	4.8kg
Environmental Specifications	Operation temperature	-40~75°C, 55~75°C derate to half load linearly
	Cooling	Forced Air Cooling
	Humidity	≤95% RH, no condensation
	Altitude	≤4000m
Safety Standards/ EMC		GB/T 18487.1
		EMI Class B
Output Curve		

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AcePower

G1 30kW

Charging Module

EV CHARGING & STORAGE

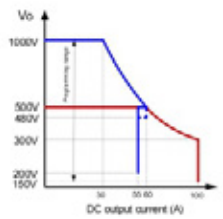
MAIN FEATURES

Ultra-low noise
Acoustic noise level as low as **55dB**

High efficiency
Full load efficiency up to **95.5%**

Excellent EMI
Meet **EMI Class B** standard

PARAMETERS

Product Model		U2T-A030B-CG （National Standards）	U2T-A030B-AG （EU/US Standards）
AC Input	Input voltage	260~480Vac，320~480Vac @full load	260~530Vac，320~530Vac @full load
	Max. input current	60A	
	Input Phase	3-phase + protective earth	
	THD	<5% @rated power	
	Power factor	>0.99 @rated power	
DC Output	Rated Output Power	30kW （1000Vdc/30A）	
	Output voltage	200~1000Vdc	150~1000Vdc
	Constant Power Range	300~1000Vdc	
	Max. Output current	100A	
	Efficiency	95.5% @400Vac/800Vdc, @full load	
		96.5% Peak efficiency	
Structural Parameters	Typical Noise	55dB @400Vac/800Vdc，@full load 25°C	
	Ingress Protection	IP20	
	Protection Method	Full glue filling technology	
	Dimension	D*W*H：437.5 mm*300mm*84mm	
	Weight	15.5kg	
Environmental Specifications	Operation temperature	-40~75°C, 55~75°C derate to half load linearly	
	Cooling	Forced Air Cooling	
	Humidity	≤95% RH, no condensation	
	Altitude	≤4000m	
Safety Standards/ EMC		GB/T 18487.1	IEC61851-1，IEC61851-23, UL2202
		EMI Class A	EMI Class B
Output Curve			

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AcePower

G2 30kW

Charging Module

EV CHARGING & STORAGE

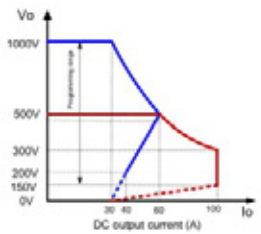
MAIN FEATURES

Ultra-low noise
Acoustic noise level as low as **51dB**

High efficiency
Full load efficiency up to **97.2%**

Excellent EMI
Meet **EMI Class B** standard

PARAMETERS

Product Model		AB-U2T-A030B-E （National Standards）	AB-U2T-A030B-S （EU/US Standards）
AC Input	Input voltage	260~480Vac，320~480Vac @full load	260~530Vac，320~530Vac @full load
	Max. input current	60A	
	Input Phase	3-phase + protective earth	
	THD	<5% @rated power	
	Power factor	>0.99 @rated power	
DC Output	Rated Output Power	30kW （1000Vdc/30A）	
	Output voltage	200~1000Vdc	150~1000Vdc
	Constant Power Range	300~1000Vdc	
	Max. Output current	100A	
	Efficiency	97% @400Vac/800Vdc, @full load	97.2% @400Vac/800Vdc, @full load
		97.2% Peak efficiency	97.4% Peak efficiency
Structural Parameters	Typical Noise	51dB @400Vac/400Vdc，@full load	
	Ingress Protection	IP20	
	Protection Method	Full glue filling technology	
	Dimension	D*W*H：437.5 mm*300mm*84mm	
	Weight	16kg	
Environmental Specifications	Operation temperature	-40~75°C, 55~75°C derate to half load linearly	
	Cooling	Forced Air Cooling	
	Humidity	≤95% RH, no condensation	
	Altitude	≤4000m	
Safety Standards/ EMC		GB/T 18487.1	IEC61851-1，IEC61851-23, UL2202
		EMI Class A	EMI Class B
Output Curve			

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AcePower

30kW V2G

Charging Module

EV CHARGING & STORAGE

MAIN FEATURES

Versatile Bi-Directional Power

Supports Charging, Discharging, On-Grid, and Off-Grid modes for full V2G flexibility.

High efficiency

95.5% Industry-leading conversion rate to minimize energy loss and heat generation.

Adaptable VPFC Technology

Adjustable Voltage Power Factor Correction to suit diverse charging scenarios.

Extreme Temperature Resilience

Stable operation from **-40°C to 75°C** (linear derating above 55°C).

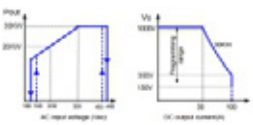
Wide Input Voltage Range

Flexible **180–460Vac** input; maintains full load at **320–460Vac**.

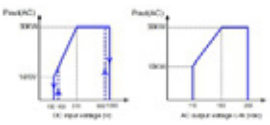
PARAMETERS

Product Model		UAB-1K30B-E （National/EU Standards）
AC Input	Input voltage	180~460Vac，320~460Vac @full load
	Max. input current	58A
	Input Phase	3-phase+N+protective earth
	THD	<5% @rated power
	Mode	AC/DC Charging
		DC/AC Off-grid Discharging
		DC/AC Grid-Tied Charging and Discharging
		AC/DC Bidirectional Charging and Discharging
	Power factor	>0.99 @rated power
DC Output	Rated Output Power	30kW （1000Vdc/30A）
	Output voltage	150~1000Vdc
	Constant Power Range	300~1000Vdc
	Max. Output current	100A
	Efficiency	95.5% @400Vac/800Vdc, @full load
		96% Peak efficiency
Structural Parameters	Typical Noise	60dB @400Vac/800Vdc，@full load
	Ingress Protection	IP20
	Protection Method	Full glue filling technology
	Dimension	D*W*H：437.5 mm*300mm*84mm
	Weight	17.5kg
Environmental Specifications	Operation temperature	-40~75℃, 55~75℃ derate to half load linearly
	Cooling	Forced Air Cooling
	Humidity	≤95% RH, no condensation
	Altitude	≤4000m
Safety Standards/ EMC		GB/T 18487.1　　IEC61851-1，IEC61851-23
		EMI Class A

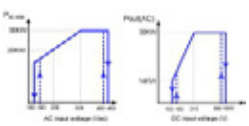
Output Curve



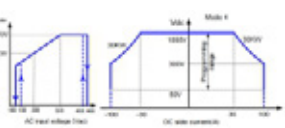
AC/DC Charging



DC/AC Off-grid Discharging



DC/AC Grid-Tied Charging and Discharging



AC/DC Bidirectional Charging and Discharging

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EV CHARGING & STORAGE

40kW V2G

Charging Module

MAIN FEATURES

Higher Power, Same Footprint

40kW output in a standard **30kW-sized** module—boost capacity without changing your cabinet design.

Adaptable VPFC Technology

Adjustable Voltage Power Factor Correction to suit diverse charging scenarios.

Versatile Bi-Directional Power

Supports Charging, Discharging, On-Grid, and Off-Grid modes for full V2G flexibility.

Extreme Temperature Resilience

Stable operation from **-40°C to 75°C** (linear derating above 55°C).

High efficiency

95% Industry-leading conversion rate to minimize energy loss and heat generation.

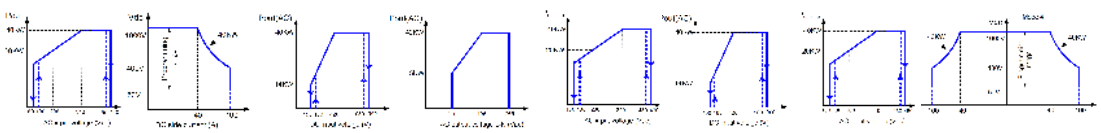
Wide Input Voltage Range

Flexible **180–460Vac** input; maintains full load at **320–460Vac**.

PARAMETERS

Product Model		UAB-1K040B-EAF （National/EU Standards）
AC Input	Input voltage	180~460Vac，320~460Vac @full load
	Max. input current	74A
	Input Phase	3-phase+N+protective earth
	THD	<5% @rated power
	Mode	AC/DC Charging
		DC/AC Off-grid Discharging
		DC/AC Grid-Tied Charging and Discharging
		AC/DC Bidirectional Charging and Discharging
	Power factor	>0.99 @rated power
DC Output	Rated Output Power	40kW （1000Vdc/30A）
	Output voltage	150~1000Vdc
	Constant Power Range	400~1000Vdc
	Max. Output current	100A
	Efficiency	95% @400Vac/800Vdc, @full load
		96% Peak efficiency
Structural Parameters	Typical Noise	60dB @400Vac/800Vdc，@full load
	Ingress Protection	IP20
	Protection Method	Full glue filling technology
	Dimension	D*W*H：437.5 mm*300mm*84mm
	Weight	17.5kg
Environmental Specifications	Operation temperature	-40~75°C, 55~75°C derate to half load linearly
	Cooling	Forced Air Cooling
	Humidity	≤95% RH, no condensation
	Altitude	≤4000m
Safety Standards/ EMC		GB/T 18487.1　　IEC61851-1，IEC61851-23
		EMI Class A

Output Curve



AC/DC Charging　DC/AC Off-grid Discharging　DC/AC Grid-Tied Charging and Discharging　AC/DC Bidirectional Charging and Discharging

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AcePower

G1 40kW

Liquid Cooling Charging Module

EV CHARGING & STORAGE

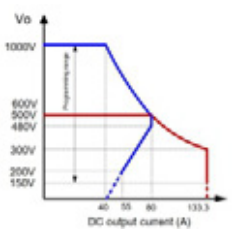
MAIN FEATURES

IP65 Rated Protection
Full sealing for harsh environments.

Ultra-low noise
Acoustic noise level as low as **40dB**

High efficiency
Full load efficiency up to **97%**

PARAMETERS

Product Model		AB-U3T-A040B-E
AC Input	Input voltage	260~480Vac，320~480Vac @full load
	Max. input current	80A
	Input Phase	3-phase + protective earth
	THD	<5% @rated power
	Power factor	>0.99 @rated power
DC Output	Rated Output Power	40kW （1000Vdc/40A）
	Output voltage	150~1000Vdc
	Constant Power Range	300~1000Vdc
	Max. Output current	133.3A
	Efficiency	97% @400Vac/800Vdc, @full load
		97.2% Peak efficiency
Structural Parameters	Typical Noise	< 40dB
	Ingress Protection	IP65
	Protection Method	Full glue filling technology
	Dimension	D*W*H：460 mm*300mm*120mm
	Weight	24kg
Environmental Specifications	Environment Temperature	-40~75℃
	Liquid Temperature	-40~75℃, 60~75℃ derate to half load linearly
	Cooling	Liquid Cooling
	Humidity	≤95% RH, no condensation
	Altitude	≤4000m
Safety Standards/ EMC		GB/T 18487.1
		EMI Class A
Output Curve		

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AcePower

G2 40kW

Charging Module

EV CHARGING & STORAGE

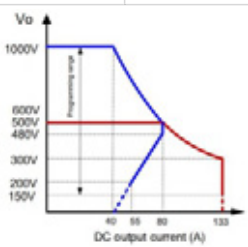
MAIN FEATURES

Ultra-low noise
Acoustic noise level as low as **58dB**

High efficiency
Full load efficiency up to **96.8%**

Excellent EMI
Meet **EMI Class B** standard

PARAMETERS

Product Model		AB-U2T-A040B-Cx(National Standards)	AB-U2T-A040B-Sx(EU/US Standards)
AC Input	Input voltage	260~480Vac，320~480Vac @full load	260~530Vac，320~530Vac @full load
	Max. input current	75A	
	Input Phase	3-phase + protective earth	
	THD	<5% @rated power	
	Power factor	>0.99 @rated power	
DC Output	Rated Output Power	40kW （1000Vdc/40A）	
	Output voltage	150~1000Vdc	
	Constant Power Range	300~1000Vdc	
	Max. Output current	133.3A	
	Efficiency	96.2% @400Vac/800Vdc, @full load	96.8% @400Vac/800Vdc, @full load
		96.8% Peak efficiency	97.2% Peak efficiency
Structural Parameters	Typical Noise	58dB @400Vac/400Vdc，@full load	
	Ingress Protection	IP20	
	Protection Method	Full glue filling technology	
	Dimension	D*W*H：437.5 mm*300mm*84mm	
	Weight	17kg	
Environmental Specifications	Operation temperature	-40~75°C, 55~75°C derate to half load linearly	
	Cooling	Forced Air Cooling	
	Humidity	≤95% RH, no condensation	
	Altitude	≤4000m	
Safety Standards/ EMC		GB/T 18487.1	IEC61851-1，IEC61851-23, UL2202
		EMI Class A	EMI Class B
Output Curve			

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AcePower

40kW DCDC

Charging Module

EV CHARGING & STORAGE

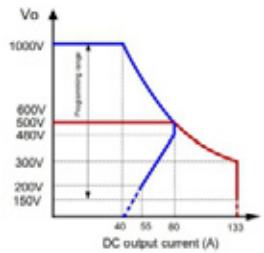
MAIN FEATURES

Ultra-low noise
Acoustic noise level as low as **58dB**

High efficiency
Full load efficiency up to **97.5%**

Excellent EMI
Meet **EMI Class A** standard

PARAMETERS

Product Model		UAE-1K040B-S
DC Input	Input voltage	200~900Vac，400~900Vdc @full load
	Max. input current	105A
DC Output	Rated Output Power	40kW （1000Vdc/40A）
	Output voltage	150~1000Vdc
	Constant Power Range	300~1000Vdc
	Max. Output current	133.3A
	Efficiency	97.5% @800Vac/800Vdc, @full load
		97.78% Peak efficiency
Structural Parameters	Typical Noise	58dB @25°C @800Vac/800Vdc，@full load
	Ingress Protection	IP20
	Protection Method	Full glue filling technology
	Dimension	D*W*H：437.5 mm*300mm*84mm
	Weight	14.45kg
Environmental Specifications	Operation temperature	-40~75°C, 55~75°C derate to 20kW linearly
	Cooling	Forced Air Cooling
	Humidity	0~95% RH, no condensation
	Altitude	0~4000m
Safety Standards/ EMC		IEC61851-1
		EMI Class A
Output Curve		

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AcePower

G1 60kW

Liquid Cooling Charging Module

EV CHARGING & STORAGE

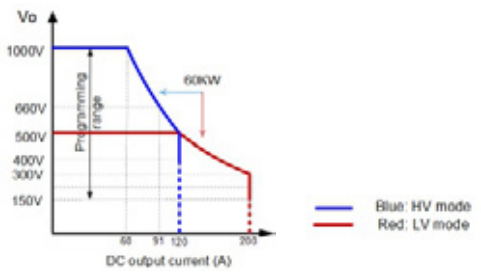
MAIN FEATURES

Ultra-low noise
Acoustic noise level as low as **40dB**

High efficiency
Full load efficiency up to **96.5%**

Excellent EMI
Meet **EMI Class A** standard

PARAMETERS

Product Model		U2T-A060B-B
AC Input	Input voltage	260~530Vac，320~530Vac @full load
	Max. input current	110A
	Input Phase	3-phase + protective earth
	THD	<5% @rated power
	Power factor	>0.99 @rated power
DC Output	Rated Output Power	60kW （1000Vdc/60A）
	Output voltage	150~1000Vdc
	Constant Power Range	300~1000Vdc
	Max. Output current	200A
	Efficiency	96.5% @400Vac/800Vdc, @full load
Structural Parameters	Typical Noise	< 40dB
	Ingress Protection	IP5X
	Protection Method	Full glue filling technology
	Dimension	D*W*H：700mm*450mm*84mm
	Weight	36kg
Environmental Specifications	Environment Temperature	-40~75℃
	Liquid Temperature	-40~70℃, 60~70℃ derate to half load linearly
	Cooling	Liquid Cooling
	Humidity	≤95% RH, no condensation
	Altitude	≤4000m
Safety Standards/ EMC		GB/T 18487.1，IEC61851-1，IEC61851-23
		EMI Class A
Output Curve		

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AcePower

60kW DCDC

Liquid Cooling Module

EV CHARGING & STORAGE

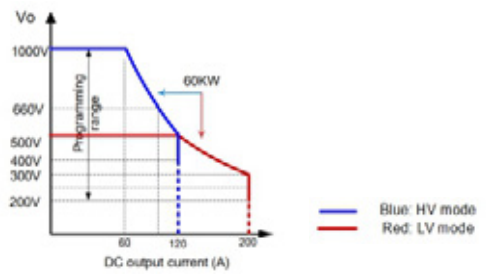
MAIN FEATURES

Ultra-low noise
Acoustic noise level as low as **40dB**

High efficiency
Full load efficiency up to **98%**

Excellent EMI
Meet **EMI Class A** standard

PARAMETERS

Product Model		AB-U2A-E060B-B
DC Input	Input voltage	700~950Vac，770~930Vdc @full load
	Max. input current	81A
DC Output	Rated Output Power	60kW （1000Vdc/60A）
	Output voltage	200~1000Vdc
	Constant Power Range	300~1000Vdc
	Max. Output current	200A
	Efficiency	98% @400Vac/800Vdc, @full load
		98.1% Peak efficiency
Structural Parameters	Typical Noise	< 40dB
	Ingress Protection	IP65
	Protection Method	Full glue filling technology
	Dimension	D*W*H：700mm*450mm*100mm
	Weight	31kg
Environmental Specifications	Environment Temperature	-40~60℃
	Liquid Temperature	-40~70℃, 60~70℃ derate to half load linearly
	Cooling	Liquid Cooling
	Humidity	≤95% RH, no condensation
	Altitude	≤4000m
Safety Standards/ EMC		GB/T 18487.1,CE EMI Class A
Output Curve		

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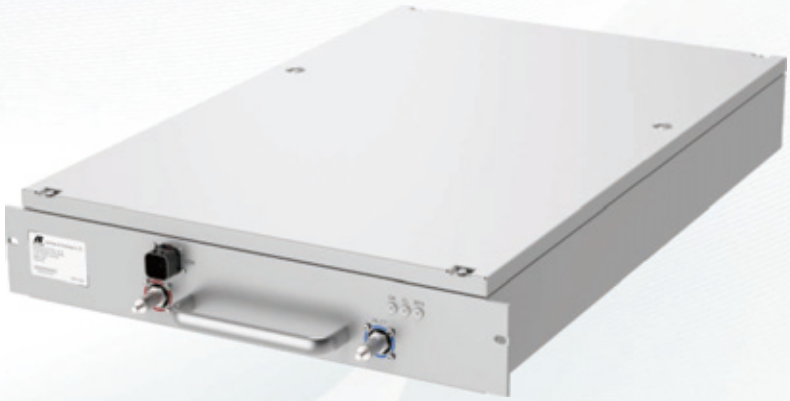
AcePower

125kW ACDC

Liquid Cooling Module



EV CHARGING & STORAGE

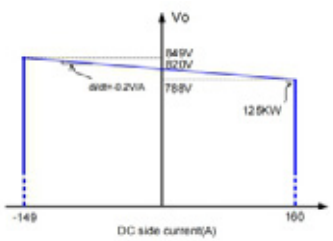
MAIN FEATURES

Ultra-low noise
Acoustic noise level as low as **45dB**

High efficiency
Full load efficiency up to **98.5%**

Excellent EMI
Meet **EMI Class A** standard

PARAMETERS

Product Model		AB-U2T-D120B-A
AC Input	Input voltage	260~480Vac，320~480Vac @full load
	Max. input current	225A
	Input Phase	3-phase + protective earth
	THD	<5% @rated power
	Power factor	>0.99 @rated power
DC Output	Rated Output Power	125kW （788Vdc/160A）
	Output voltage	700~880Vdc
	Constant Power Range	780~880Vdc
	Max. Output current	160A
	Efficiency	98.5%/820Vdc,@full load
		> 98.5%Peak efficiency
Structural Parameters	Typical Noise	< 45dB
	Ingress Protection	IP55
	Protection Method	Full glue filling technology
	Dimension	D*W*H：700mm*450mm*100mm
	Weight	34.5kg
Environmental Specifications	Environment Temperature	-40~60°C
	Liquid Temperature	-40~70°C, 60~70°C derate to half load linearly
	Cooling	Liquid Cooling
	Humidity	≤95% RH, no condensation
	Altitude	≤4000m
Safety Standards/ EMC		GB/T 18487.1,CE EMI Class A
Output Curve		

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AcePower

50kW ACDC

Charging Module

EV CHARGING & STORAGE

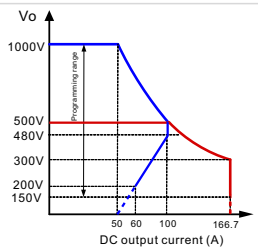
MAIN FEATURES

Ultra-low noise
Acoustic noise level as low as **55dB**

High efficiency
Full load efficiency up to **97.3%**

Excellent EMI
Meet **EMI Class B** standard

PARAMETERS

Product Model		UAA-1K050B-SL
AC Input	Input voltage	260~530Vac，340~530Vac @full load
	Max. input current	90A
	Input Phase	3-phase + protective earth
	THD	<5% @rated power
	Power factor	>0.99 @rated power
DC Output	Rated Output Power	50kW （1000Vdc/50A）
	Output voltage	150~1000Vdc
	Constant Power Range	300~1000Vdc
	Max. Output current	166.7A
	Efficiency	97.3% @400Vac/800Vdc, @full load
		97.6% Peak efficiency
Structural Parameters	Typical Noise	55dB@400Vac/400Vdc, @full load
	Ingress Protection	IP20
	Protection Method	Full glue filling technology
	Dimension	D*W*H：390 mm*385mm*110mm
	Weight	22kg
Environmental Specifications	Operation temperature	-40~75℃, 55~75℃ derate to 25kW linearly
	Cooling	Forced Air Cooling
	Humidity	0~95% RH, no condensation
	Altitude	0~4000m
Safety Standards/ EMC		IEC61851-1，IEC61851-23, UL2202
		EMI Class B
Output Curve		

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AcePower

G3 40kW

Charging Module

EV CHARGING & STORAGE

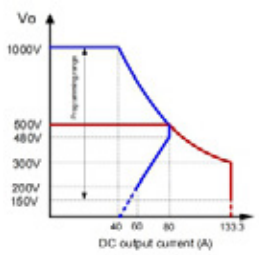
MAIN FEATURES

Ultra-low noise
Acoustic noise level as low as **58dB**

High efficiency
Full load efficiency up to **97%**

Excellent EMI
Meet **EMI Class A** standard

PARAMETERS

Product Model		UAA-1K040B-E
AC Input	Input voltage	260~440Vac，323~440Vac @full load
	Max. input current	75A
DC Output	Rated Output Power	40kW （1000Vdc/40A）
	Output voltage	150~1000Vdc
	Constant Power Range	300~1000Vdc
	Max. Output current	133.3A
	Efficiency	97% @400Vac/800Vdc, @full load
Structural Parameters	Typical Noise	58dB @25°C @400Vac/800Vdc，@full load
	Ingress Protection	IP20
	Protection Method	Full glue filling technology
	Dimension	D*W*H：437.5 mm*300mm*84mm
	Weight	13.8kg
Environmental Specifications	Operation temperature	-40~75°C, 55~75°C derate to 20kW linearly
	Cooling	Forced Air Cooling
	Humidity	0~95% RH, no condensation
	Altitude	0~4000m
Safety Standards/ EMC		GB/T 18487.1
		EMI Class A
Output Curve		

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AcePower

75kW ACDC

Liquid Cooling Charging Module

EV CHARGING & STORAGE

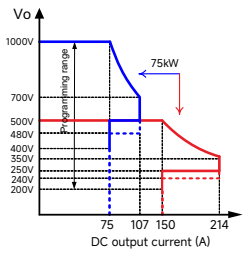
MAIN FEATURES

Ultra-low noise
Acoustic noise level as low as **40dB**

High efficiency
Full load efficiency up to **96.5%**

Excellent EMI
Meet **EMI Class A** standard

PARAMETERS

Product Model		U2T-A075B-A
AC Input	Input voltage	260~530Vac，400~530Vac @full load
	Max. input current	120A
DC Output	Rated Output Power	75kW （1000Vdc/75A）
	Output voltage	200~1000Vdc
	Constant Power Range	350~500Vdc, 700~1000Vdc
	Max. Output current	214A
	Efficiency	96.5% @400Vac/700Vdc, @full load
		97% Peak efficiency
Structural Parameters	Typical Noise	<40dB @400Vac/400Vdc，@full load
	Ingress Protection	IP5X
	Protection Method	Full glue filling technology
	Dimension	D*W*H：700mm*450mm*84mm
	Weight	36kg
Environmental Specifications	Operation temperature	-40~70℃, 60~70℃ derate to 37.5kW linearly
	Cooling	Liquid Cooling
	Humidity	0~95% RH, no condensation
	Altitude	0~4000m
Safety Standards/ EMC		GB/T 18487.1 IEC61851-1，IEC61851-23
		EMI Class A
Output Curve		

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AcePower

G3 50kW

Charging Module

EV CHARGING & STORAGE

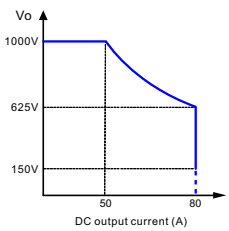
MAIN FEATURES

Ultra-low noise
Acoustic noise level as low as **60dB**

High efficiency
Full load efficiency up to **96.8%**

Excellent EMI
Meet **EMI Class A** standard

PARAMETERS

Product Model		UAA-1K050B-C
AC Input	Input voltage	260~440Vac，360~440Vac @full load
	Max. input current	84A
DC Output	Rated Output Power	50kW （1000Vdc/50A）
	Output voltage	150~1000Vdc
	Constant Power Range	300~500V、635~1000Vdc
	Max. Output current	80A
	Efficiency	96.6% @800Vac/400Vdc, @full load
Structural Parameters	Typical Noise	60dB
	Ingress Protection	IP20
	Protection Method	Full glue filling technology
	Dimension	D*W*H：437.5 mm*300mm*84mm
Environmental Specifications	Operation temperature	-40~75℃, 55~75℃ derate to 25kW linearly
	Cooling	Forced Air Cooling
	Humidity	0~95% RH, no condensation
	Altitude	0~4000m
Safety Standards/ EMC		GB/T 18487.1
		EMI Class A
Output Curve		

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AcePower

G3 60kW

Charging Module

EV CHARGING & STORAGE

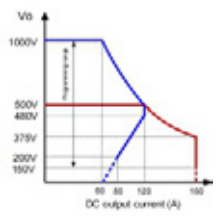
MAIN FEATURES

Ultra-low noise
Acoustic noise level as low as **65dB**

High efficiency
Full load efficiency up to **96.8%**

Excellent EMI
Meet **EMI Class A** standard

PARAMETERS

Product Model		UAA-1K060B-E
AC Input	Input voltage	260~440Vac，323~440Vac @full load
	Max. input current	115A
DC Output	Rated Output Power	60kW （1000Vdc/60A）
	Output voltage	150~1000Vdc
	Constant Power Range	375~1000Vdc
	Max. Output current	160A
	Efficiency	96.9% @400Vac/800Vdc, @full load
		97.15% Peak efficiency
Structural Parameters	Typical Noise	<65dB @400Vac/400Vdc，@full load
	Ingress Protection	IP20
	Protection Method	Full glue filling technology
	Dimension	D*W*H：437.5 mm*300mm*84mm
Environmental Specifications	Operation temperature	-40~75°C, 55~75°C derate to 30kW linearly
	Cooling	Forced Air Cooling
	Humidity	0~95% RH, no condensation
	Altitude	0~4000m
Safety Standards/ EMC		GB/T 18487.1
		EMI Class A
Output Curve		

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AcePower

60kW ACDC

Dual Output Charging Module

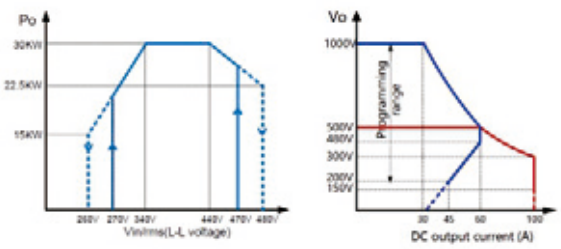
EV CHARGING & STORAGE

MAIN FEATURES

Ultra-low noise
Acoustic noise level as low as **53dB**

High efficiency
Full load efficiency up to **97%**

PARAMETERS

Product Model		UAA-1K060B-SEU
AC Input	Input voltage	260~480Vac，340~440Vac @full load
	Max. input current	115A
	Input Phase	3-phase + protective earth
	THD	<5% @rated power
	Power factor	>0.99 @rated power
DC Output	Rated Output Power	30kW (1000Vdc/30A) each output
	Output voltage	150~1000Vdc
	Constant Power Range	300~1000Vdc
	Max. Output current	100A
	Efficiency	97% @400Vac/800Vdc, @full load
		97.2% Peak efficiency
Structural Parameters	Typical Noise	53dB@400Vac/400Vdc, @full load
	Ingress Protection	IP20
	Protection Method	Full glue filling technology
	Dimension	D*W*H：300 mm*600mm*84mm
	Weight	20kg
Environmental Specifications	Operation temperature	-40~75°C, 55~75°C derate to 15kW linearly
	Cooling	Forced Air Cooling
	Humidity	0~95% RH, no condensation
	Altitude	0~4000m
Safety Standards/ EMC		IEC61851-1，IEC61851-23, UL2202
Output Curve		

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AcePower

100kW Ultra-High-Efficiency

3-Phase Non-Isolated Charging Module

EV CHARGING & STORAGE

Traditional Solution

High-voltage Power Distribution

Transformer

Rectifier Cabinet

Low-voltage Power Distribution

DC Charging Pile

10kV

One-stop Trouble-free Option

Phase-Shifting Transformer

replacing conventional transformer

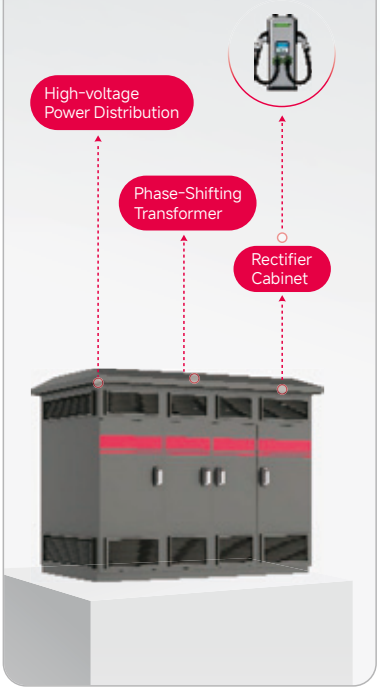
Fewer power distribution stages

98.5%-efficiency non-isolated modules

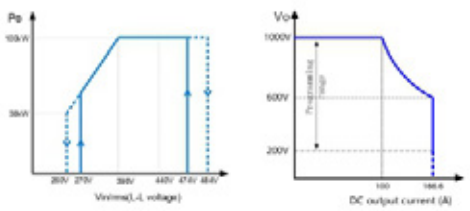
substituting the original solution

Overall system efficiency increased by **2.5%**

Phase-Shifting Transformer Solution



PARAMETERS

Product Model		UAC-1K100B-E
AC Input	Input voltage	260~480Vac，396~484Vac @full load
	Max. input current	148A
	Input Phase	3-phase + protective earth
	Power factor	>0.97 @rated power
DC Output	Rated Output Power	100kW (1000Vdc/100A)
	Output voltage	200~1000Vdc
	Constant Power Range	600~1000Vdc
	Max. Output current	166.6A
	Efficiency	98.5% @400Vac/900Vdc, @full load
Structural Parameters	Typical Noise	60dB
	Ingress Protection	IP20
	Protection Method	Full glue filling technology
	Dimension	D*W*H：437.5 mm*300mm*84mm
	Weight	15.5kg
Environmental Specifications	Operation temperature	-40~75°C, 55~75°C derate to 50kW linearly
	Cooling	Forced Air Cooling
	Humidity	0~95% RH, no condensation
	Altitude	0~4000m
Output Curve		

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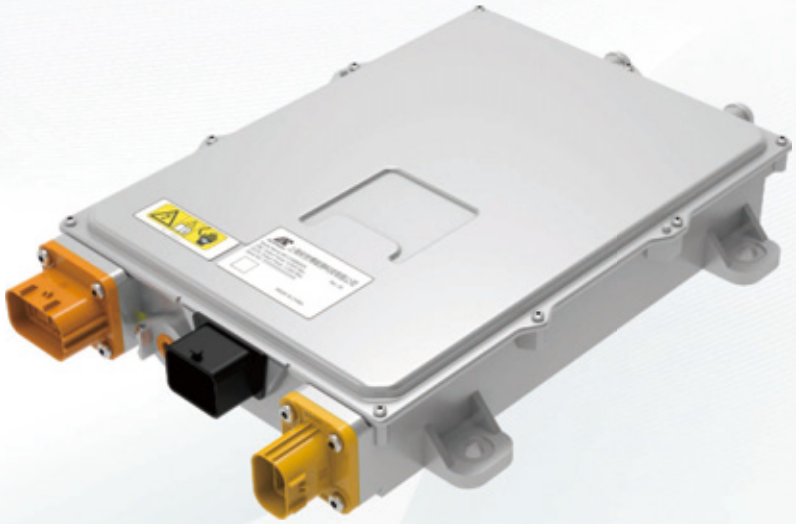
AcePower

6.6kW BI-OBC
3kW DCDC
Combo

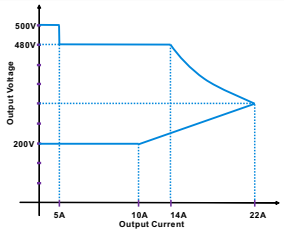


EV POWER SUPPLY

MAIN FEATURES

- Compact Size as **2.8L**
- **High efficiency**
  Full load efficiency up to **95%**

PARAMETERS

Mode		OBC Charge Mode	OBC Discharge Mode	DCDC Mode
Input	Input voltage	85~265Vac	200~500Vdc， 300~480Vdc @ full load	200~500Vdc
	Max. input current	32Aac	22Adc	12Adc
	THD	<5% @rated power		
	Power factor	>0.99 @rated power		
Output	Output voltage	200~500Vdc	120Vac/220Vac/230Vac	9~16Vdc
	Constant Power Range	300~480Vdc	300~480Vdc input	13.8~16Vdc
	Max. Output current	22A	27Aac	217Adc
	Efficiency	95% @400Vdc @full load	95% @400Vdc input @resistance load	95% @ 400Vdc， 13.8Vdc 1300W
	Rated Output Power	6.6KW	6KVA	3KW
Mechanical Parameters	Enclosure Index Protection	IP67		
	Dimension	D*W*H：280mm*200mm*50mm		
	Weight	5.5kg		
Environmental Specifications	Coolant Temperature	-40~85°C, 65~85°C derate linearly		
	Environment Temperature	-40~85°C		
	Cooling	Liquid Cooling		
	Humidity	≤95% RH		
	Altitude	0~4000m		
	EMI	CISPR 25　　FCC PART 15 Class B		
Output Curve				

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AcePower

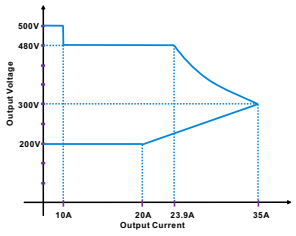
11kW BI-OBC
3kW DCDC
Combo

EV POWER SUPPLY

MAIN FEATURES

- Compact Size as **3.8L**
- **High efficiency**
  Full load efficiency up to **95.5%**

PARAMETERS

Mode		OBC Charge Mode	OBC Discharge Mode	DCDC Mode
Input	Input voltage	85~265Vac @ 1-phase input 320~460Vac @ 3-phase input	200~500Vdc， 300~480Vdc @ full load	200~500Vdc
	Max. input current	32Aac @ 1-phase input 16Aac @ 3-phase input	22Adc	13Adc
	THD	<5% @rated power		
	Power factor	>0.99 @rated power		
Output	Output voltage	200~500Vdc	120Vac/220Vac/230Vac	9~16Vdc
	Constant Power Range	300~480Vdc	300~480Vdc input	13.8~16Vdc
	Max. Output current	22A@ 1-phase input 33A@ 3-phase input	27Aac	217Adc
	Efficiency	95.5% @400Vdc @full load	95% @400Vdc input @resistance load	95% @ 400Vdc， 1300W
	Rated Output Power	6.6kW @ 1-phase input 10kW @ 3-phase input	6KVA	3KW
Mechanical Parameters	Enclosure Index Protection	IP67		
	Dimension	D*W*H：282mm*202mm*67mm		
	Weight	7.5kg		
Environmental Specifications	Coolant Temperature	-40~85°C, 65~85°C derate linearly		
	Environment Temperature	-40~85°C		
	Cooling	Liquid Cooling		
	Humidity	≤95% RH		
	Altitude	0~4000m		
	EMI	CISPR 25　　FCC PART 15 Class B		
Output Curve				

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AcePower

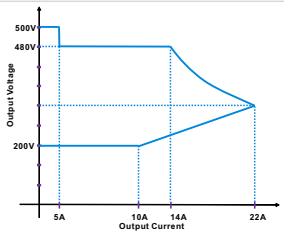
6.6kW BI-OBC
3kW DCDC
Combo (high-efficiency)

EV POWER SUPPLY

MAIN FEATURES

- Compact Size as **2.5L**
- **High efficiency**
  Full load efficiency up to **96%**

PARAMETERS

Mode		OBC Charge Mode	OBC Discharge Mode	DCDC Mode
Input	Input voltage	85~265Vac	250~500Vdc， 300~480Vac @full load	250~500Vdc
	Max. input current	32Aac	12Adc	12Adc
	THD	<5% @rated power		
	Power factor	>0.99 @rated power		
Output	Output voltage	250~500Vdc	120Vac/220Vac/230Vac	9~16Vdc
	Constant Power Range	300~480Vdc	300~480Vdc input	13.8~16Vdc
	Max. Output current	22A	15Aac	217Adc
	Efficiency	96% @400Vdc @full load	95% @400Vdc input @resistance load	95% @ 400Vdc， 13.8Vdc 1300W
	Rated Output Power	6.6kW	3.3kVA	3kW
Mechanical Parameters	Enclosure Index Protection	IP67		
	Dimension	D*W*H：182mm*200mm*67mm		
	Weight	4.5kg		
Environmental Specifications	Coolant Temperature	-40~85°C, 65~85°C derate linearly		
	Environment Temperature	-40~85°C		
	Cooling	Liquid Cooling		
	Humidity	≤95% RH		
	Altitude	0~4000m		
	EMI	CISPR 25　　FCC PART 15 Class B		
Output Curve				

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AcePower

Mega Power 2.0

Power Supply System

10kV/240Vdc 1250kVA~3100kVA
10kV/336Vdc 1250kVA~3100kVA

98.8%

High Efficiency

Optimized system architecture

High reliability and availability

Modular Design

High configurability, flexible, easy to scale

PARAMETERS

Product Model		MPDTD-1250	MPDTD-1800	MPDTD-2200	MPDTD-3100
Rated power	kVA	1250	1800	2200	3100
	kW	1250	1800	2200	3100
AC input	Rated voltage	10kVac，3P3W			
	Voltage range	8.5~12 kV			
	THDi	⩽ 3%			
	Power factor	⩾ 0.999			
	Frequency range	45~55 Hz			
Phase-shift transformer	Capacity(kVA)	1250	1800	2200	3100
	Output voltage	240Vac/336Vac+380Vac（Optional）			
	Cooling method	Air Forced（AF）			
	Insulation class	H			
Battery input	Voltage range	200Vdc~415Vdc			
Rectifier	Module rated power	125kW			
	Cabinet power	500kW	750kW	500kW	750kW
	Number of cabinets	2	2	4	4
DC output	Rated voltage	System(240Vdc)：280Vdc　System(336Vdc)：400Vdc			
	Voltage range	System(240Vdc)：278Vdc~282Vdc　System(336Vdc)：398Vdc~402Vdc			
	Voltage regulation	⩽±0.5%			
	Current sharing	⩽2%			
	System efficiency	⩾98.0%（peak）			
Environmental conditions	Operating temperature	-25°C~55°C			
	Storage temperature	-40°C~70°C			
	Humidity	0~95% (no condensation)			
	Altitude	⩽1500 m, derating above 1500 m			
	Noise level	⩽ 65 dB（A）			
	IP rating	IP20 (Transformer IP3X)			

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AcePower

HVDC 2.0

Power Supply System

380Vac/800Vdc 240~960kW

97.5%

High Efficiency

Secure And Reliable

Hot-swappable module design, Arc-Free

Flexible Integration

Modular design, Extended flexibility

PARAMETERS

Product Model		CZID-800240	CZID-800320	CZID-800480	CZID-800640	CZID-800720	CZID-800960
Rated power	kW	240	320	480	640	720	960
AC Input	Rated voltage	380Vac					
	Voltage range	260Vac~520Vac					
	THDi	⩽ 3%					
	Power factor	⩾ 0.999					
	Frequency range	45~66 Hz					
	Input switch	400A/3P×2 mechanical interlock	630A/3P×2 mechanical interlock	800A/3P×2 mechanical interlock	1250A/3P×2 mechanical interlock	1250A/3P×2 mechanical interlock	800A/3P×2 Copper Busbar
Battery input	Voltage range	200Vdc~410Vdc					
Rectifier	Module rated power	40kW（800Vdc）					
	Module quantity	6	8	12	16	18	24
	Module protection switch	80A/3P×6	80A/3P×8	80A/3P×12	80A/3P×16	80A/3P×18	80A/3P×24
DC Output	Rated voltage	800Vdc					
	Voltage range	780Vdc~820Vdc					
	Voltage regulation	⩽±1%					
	Current sharing	⩽±3%					
	System efficiency	⩾97.2%（peak）					
	Load branch	400A Fuse×12	630A Fuse×12	630A Fuse×16	630A Fuse×20	1000A Fuse×8	800A/3P×2
Environment	Operation temperature	-20°C~55°C					
	Storage temperature	-40°C~70°C					
	Humidity	0~95% (no condensation)					
	Altitude	⩽1500 m, derating above 1500 m					
	System Noise	⩽ 65 dB（A）					
	Protection Level	IP20					
Structure	Dimension (WxDxH，mm)	1400×800×2000	1400×800×2000	1600×800×2000	1600×800×2000	1600×1000×2300	1200×900×2500

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AcePower

HVDC 2.0

Power Supply System

380Vac/240Vdc 180~960kW
380Vac/336Vdc 180~960kW

97.5%

High Efficiency

Secure And Reliable

Hot-swappable module design, Arc-Free

Flexible Integration

Modular design, Extended flexibility

PARAMETERS

Product Model		CZID-240180 CZID-336180	CZID-240360 CZID-336360	CZID-240480 CZID-336480	CZID-240600 CZID-336600	CZID-240720 CZID-336720	CZID-240960 CZID-336960
Rated power	kW	240	320	480	640	720	960
AC Input	Rated voltage	380Vac					
	Voltage range	260Vac~520Vac					
	THDi	⩽ 3%					
	Power factor	⩾ 0.999					
	Frequency range	45~66 Hz					
	Input switch	400A/3P×2 mechanical interlock	630A/3P×2 mechanical interlock	800A/3P×2 mechanical interlock	1250A/3P×2 mechanical interlock	1600A/3P×2 mechanical interlock	800A/3P×2 Copper Busbar
Battery input	Voltage range	200Vdc~410Vdc					
Rectifier	Module rated power	30kW（240Vdc） 30kW（336Vdc）					
	Module quantity	6	12	16	20	24	32
	Module protection switch	63A/3P×6	63A/3P×12	63A/3P×16	63A/3P×20	63A/3P×24	63A/3P×32
DC Output	Rated voltage	System(240Vdc)：270Vdc System(336Vdc)：378Vdc					
	Voltage range	System(240Vdc)：200Vdc~290Vdc System(336Vdc)：280Vdc~400Vdc					
	Voltage regulation	⩽±1%					
	Current sharing	⩽±3%					
	System efficiency	⩾97.2%（peak）					
	Load branch	400A Fuse×12	630A Fuse×12	630A Fuse×16	630A Fuse×20	1000A Fuse×8	800A/4P×2
Environment	Operation temperature	-20°C~55°C					
	Storage temperature	-40°C~70°C					
	Humidity	0~95% (no condensation)					
	Altitude	⩽1500 m, derating above 1500 m					
	System Noise	⩽ 65 dB（A）					
	Protection Level	IP20					
Structure	Dimension (WxDxH，mm)	1400×800×2000	1400×800×2000	1600×800×2000	1600×800×2000	1600×1000×2300	1200×900×2500

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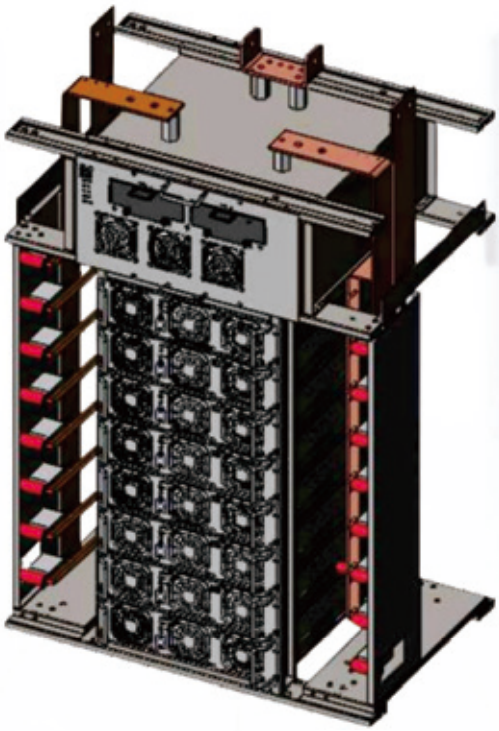
AcePower

DC STS

DC Static Transfer System

200V~410Vdc/270Vdc 210~420kW
200V~410Vdc/400Vdc 210~420kW



99%

Main path
module efficiency

3ms

Seamless
Switching

Digital-Intelligent Management

Real-time data processing
and interactive graphical interface

PARAMETERS

Product Model		DSTS-240210	DSTS-240240	DSTS-240420	DSTS-400210	DSTS-400240	DSTS-400420
System Capacity	kW	210	240	420	210	240	420
DC Input	Main Path Input	200Vdc~410Vdc 280Vdc (Rated Voltage)			200Vdc~410Vdc 400Vdc (Rated Voltage)		
	Backup Path Input	200Vdc~410Vdc 280Vdc (Rated Voltage)			200Vdc~410Vdc 400Vdc (Rated Voltage)		
	Main Path Input Current	<750A (@280Vdc)	<857A (@280Vdc)	<1500A (@280Vdc)	<525A (@400Vdc)	<600A (@400Vdc)	<1050A (@400Vdc)
Main Path Module	Module Rated Power	210kW	240kW	420kW	210kW	240kW	420kW
	Module Count	1					
Backup Path Module	Module Rated Power	30kW					
	Module Count	7	8	14	7	8	14
DC Output	Rated Voltage	Tracks main input voltage(Main output) 267Vdc（backup path,hot standby mode） 287Vdc（backup path, active supply mode）			Tracks main input voltage(Main output) 387Vdc（backup path,hot standby mode） 407Vdc（backup path, active supply mode）		
	Voltage Regulation Accuracy	≤±0.5%					
	Current-sharing Feature	≤±3%					
	System Efficiency (Main Path)	99%					
	System Efficiency (Backup Path)	97.2%（peak）			97.5%（peak）		
Environment	Operation Temperature	-20°C~55°C					
	Storage Temperature	-40°C~70°C					
	Humidity	0~95% (no condensation)					
	Altitude	≤1500 m, derating above 1500 m					
	System Noise	≤ 65 dB（A）					
	Protection Level	IP20					
Structure	Dimension (WxDxH，mm)	688×444 ×1085.3	688×444 ×1085.3	765×531.6 ×1395.9	688×444 ×1085.3	688×444 ×1085.3	765×531.6 ×1395.9

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