

AC DC EV Charging Module

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DC DC EV Charging Module

AC DC Liquid Cooling Power Module

DC Components

DC Charger Cable Retractor

DC Charger Tester

DC Charger Tester

ONE-STOP SOLUTION
FOR DC CHARGING
STATION

3.5KW 7KW AC DC Power Module



Model Number	MD-U2T-7KW
Input Voltage	90~264VAC
Max. Input Current	32A
Power Factor	>0.99 @rated power
Output Voltage	200~1000VDC
Size	210*210*84mm

50KW AC DC Power Module



Model Number	MD-UAA-50KW
Input Voltage	260-530VAC
Output	150 to 1000VDC
Efficiency	97.2% @full load
Noise Level	55dB
Size	385*110*390mm

30KW DC DC Power Module DC 1000V



Model Number	MD-CEG-MT30KW
DC Input Voltage	750VDC
DC Input Current	60A
DC Output Voltage	50-1000VDC
DC Output Current	0.5-100A
Size	300*84*437.5mm

40KW AC DC Liquid Cooling Power Module



Model Number	MD-U2TA-40KW
Input Voltage	260-530VAC
Output	150 to 1000VDC
Efficiency	96.8% @full load
Technology	Full SiC
Size	300*120*460mm

SECC



Model Number	MIDA-SECC
Charging Mode	CCS (DIN70121 protocol and ISO15118 protocol can be automatically selected)
Operating Voltage Range	DC9v~28v (Typical Value DC12V/DC24V)
Communication Port	CAN downloaded from RS232 or CAN ports



Model Number	MIDA-FD
Cable Diameter	30~42mm
Self-locking Function	optional
Rope length	2.5 ~3.5 meters
Overall Dimension	170 X 164 X 76.5mm

GBT DC Charger Tester

MIDA-TST-GBT

1. External Loads Available
2. With Battery Simulation, Insulation Simulation Module
3. Interoperability Test Function
4. Optionally Equipped With Metering Function, The Accuracy Reaches 0.2 Grade



V2G DC Charger Tester



Model Number	MIDA-TST-V2G
Charging Gun	GBT,CCS1,CCS2, CHAdeMO NACS(optional)
Function	Host Computer Software Built-in Battery Metering Module Waveform Recording Module

CCS2 DC Charger Tester

MIDA-TST-CCS2

1. S2 Switch Vehicle Status Simulation Function
2. Realistic Simulation of Vehicle Charging, Simple Operation
3. Charging Voltage, Current, Cp Signal, Cc (Pp) Resistance and Other Parameters Can Be Collected
4. Optional Host Computer Function

DC Charging Station Testing Machine
AC and DC Combined Testing Machine

Model Number	MIDA-DCT-15KW*2
Charging Gun	GBT,CCS1,CCS2, CHAdeMO, Tesla(optional)
Built-in Resistor Rod Power	15kw
Maximum Test Current	200A

CCS1 DC Charger Tester

MIDA-TST-CCS1

1. Simulating European/American Standard Vehicles
2. Communication Mode: RS232(standard), LAN and Other(Optional)
3. Insulation Simulation Module: Can Simulate Dc+ to PE, DC-to PE Insulation Alarm and Insulation Fault Simulation;



DC Charging Pile Tester



Model Number	MIDA-DCT-240KW*2
Resistive Load	Optional
Charging Gun	GBT,CCS1,CCS2, CHAdeMO(optional)
Power	20kw,40kw,80kw, 120kw,180kw,240kw
Charging Gun	1 gun or 2 gun (optional)

CHAdeMO DC Charger Tester

MIDA-TST-CHAdeMO

1. S2 Switch Vehicle State Simulation Function
2. Realistic Simulation of Vehicle Charging, Simple Operation
3. Charging Voltage, Current, Cp Signal, Pp Resistance, Etc. Can Be Collected to Automatically Generate Testreports



DC Charging Pile Function Tester



Model Number	MIDA-DCT-360KW*3
Power	20kw,40kw,80kw, 120kw,180kw,360kw
Working Power Supply	three-phase AC380V/50Hz
Noise	65-85dB (no load, no noise)
Protection Level	IP20 (indoor)

20KW AC DC Power Module



Model Number	MD-ICR-20KW
Input Voltage	380/480VAC
Output	30 to 105 VDC / 60 to 200VDC
Output Current	200A
Efficiency	94.5% @full load
Size	240*85*370mm

60KW AC DC Power Module



Model Number	MD-UR-60KW
Input Voltage	260-530VAC
Output	150 to 1000VDC
Efficiency	97.2% @full load
Maximum Number of Parallel Machines	60 units
Size	300*125*437.5mm

40KW DC DC Power Module Isolated
DC 1000V or DC 1500V

Model Number	MD-UAE-MT40KW
Input Voltage	200-850VAC
Output	150 to 1000VDC
Efficiency	97.3% @full load
Noise Level	56 dB
Size	300*84*437.5mm

60KW AC DC Liquid Cooling Power Module



Model Number	MD-U2TA-60KW
Input Voltage	260-530VAC
Output	200 to 1000VDC
Efficiency	96.8% @full load
Technology	Full SiC
Size	450*84* 700 mm

Main Circuit Breaker



Model Number	MIDA-MCB
Rated Operational Voltage	400/415V
Breaking Capacity Code	E, S, F, H
Number of Poles	2P, 3P, 4P
Installation Method	Fixed type; plug-in type



Model Number	MIDA-STB
Total Length	From 850mm to 1500mm in 50mm Steps
Material	Stainless Steel 304, Spring Steel
Lifetime	over 150,000 cycles
Product Weight	5Kg ~ 15Kg

30KW AC DC Power Module



Model Number	MD-U2T-30KW
Input Voltage	260-530VAC
Output	150 to 1000VDC
Efficiency	97.2% @full load
Noise Level	51 dB
Size	300*84*437.5mm

80KW AC DC Power Module



Model Number	MD-UXR-80KW
Input Voltage	260-530VAC
Output	1000V or 1500VDC
Efficiency	97% @full load
Noise Level	58 dB
Certificate	CE, UL

50KW DC DC Power Module DC 1500V



Model Number	MD-UXR-50KW
High-Voltage Side	
Voltage	680V-950V
Current	75A
DC High Voltage Side	
Voltage	150V-1000V
Current	150A
Size	444*130*550mm

75KW AC DC Liquid Cooling Power Module DC 1000V



Model Number	MD-U2TA-75KW
Input Voltage	260-530VAC
Output	200 to 1000VDC
Efficiency	96.8% @full load
Technology	Full SiC
Size	450*84* 700 mm

DC contactor



Model Number	MIDA-CONT
Contact Polarity	Nonpolarity
Current	100A,200A,300A, 500A,600A
Working Voltage	12-1000VDC
Contact Resistance	≤0.5m(at200A)



Model Number	MIDA-RA1
Default Length	600mm main arm +300mm auxiliary arm
Load Capacity	Over 80-100Kg
Customization	Arm Length or Color
Corrosion Resistance	No red rust after 720 hours

40KW AC DC Power Module



Model Number	MD-U2T-40KW
Input Voltage	260-530VAC
Output	150 to 1000VDC
Efficiency	97.2% @full load
Technology	Full SiC
Size	300*84*437.5mm

100KW AC DC Power Module



Model Number	MD-UXR-100KW
Input voltage	260-530VAC
Output	150 to 1000VDC
Efficiency	97.2% @full load
Noise level	55 dB
Certificate	CE, UL

60KW DC DC Liquid Cooling Charging Module



Model Number	MD-U2T-LCDD60KW
Input Voltage	300-840 VDC (wide input) PV Panel Input, MPPT function ready
Output	200 to 1000VDC
Efficiency	97% @full load
Size	450*100*700mm

125KW Liquid Cooling Charging Module-Bidirectional (Non-isolated)

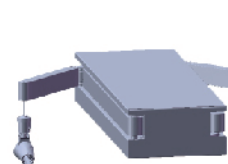


Model Number	MD-U2TA-120KW
Input Voltage	260-480VAC
Output	820VDC
Efficiency	98.5% @full load
Technology	Full SiC
Size	450*100*700mm

Fuses & Shunts



Model Number	MIDA-FUSE
Fuses PN	RS306-01 T52
Voltage	AC 125V(IEC)/DC 1000V(UL)
Shunts PN	FL-2
Accuracy Class	0.5 for 2~4000A; 1 for 5000~10000A
Voltage Drop	75mV,50mV,60mV,100mV



Model Number	MIDA-RA
Default Length	600mm main arm + 300mm auxiliary arm
Load Capacity	Over 100Kg @ 90cm
Max Deformation	<5mm at main arm end @80Kg Customizable Arm Length, Optional for color Default for 2 arms , not optional for 3 arms



DC Charging Connector

NACS Charging Connector



Model Number	MIDA-NACS-EV350P
Rated Current	250A,300A,350A
Operation Voltage	DC 1000V
Operating Temperature	-30℃+50℃
Waterproof Degree	IP67
Certificate	UL Approved

CCS1 Charging Connector



Model Number	MIDA-CCS1-EV350P
Rated Current	150A,200A, 250A, 300A,350A,385A
Operation Voltage	DC 1000V
Operating Temperature	-30℃+50℃
Waterproof Degree	IP55
Certificate	UL CE Approved

CCS2 Charging Connector



Model Number	MIDA-CCS2-EV300P
Rated Current	150A,200A, 250A, 300A,350A,400A
Operation Voltage	DC 1000V
Operating Temperature	-30℃+50℃
Waterproof Degree	IP55
Certificate	TUV CE Approved

GBT Charging Connector



Model Number	MIDA-GBT-EV300P
Rated Current	150A,200A, 250A, 300A,350A,400A
Operation Voltage	DC 1000V
Operating Temperature	-30℃+50℃
Waterproof Degree	IP55
Certificate	CE,CQC Approved

CHAdEMO Charging Connector



Model Number	MIDA-CHAdEMO-EV250P
Rated Current	80A,125A,150A, 200A, 250A,
Operation Voltage	DC 1000V
Operating Temperature	-30℃+50℃
Waterproof Degree	IP55
Certificate	CE, CHAdEMO Approved

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Liquid Cooling Charging Connector

MCS Connector



Model Number	MIDA-MCS-EV1500P
Current	1000A,1500A,3000A
Voltage	DC 1000V
Protection Level	IP55
Certificate	CE

Chaoji Connector



Model Number	MIDA-Chaoji-EV600P
Current	600A
Voltage	DC 1000V
Protection Level	IP55
Certificate	CE

CCS1 Liquid Cooling Connector



Model Number	MIDA-CCS1-EV500P
Current	500A
Voltage	DC 1000V
Protection Level	IP55
Certificate	CE

CCS2 Liquid Cooling Connector



Model Number	MIDA-CCS2-EV500P
Current	500A,600A
Voltage	DC 1000V
Protection Level	IP55
Certificate	CE

GBT Liquid Cooling Connector



Model Number	MIDA-GBT-EV600P
Current	600A,800A,1000A
Voltage	DC 1000V
Protection Level	IP55
Certificate	CE

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Integrated Liquid Cooling Unit for Single Gun

2.4KW Integrated Oil Cooled System (Single Gun)



Model Number	MIDA-LCU-2.4KW
Cooling Medium	Insulating oil
Support Current	400A
Working Voltage	24V DC
Liquid Capacity	2.5L~3L

3.0KW Integrated Oil Cooled System (Single Gun)



Model Number	MIDA-LCU-3KW
Working Voltage	12V DC, 24V DC
Support Current	400A,500A,600A
Communication Protocol	Modbus RS485
Size	271mmx175mmx453mm

3.5KW Integrated Oil Cooled System (Single Gun)



Model Number	MIDA-LCU-3.5KW
Working Voltage	12V DC, 24V DC
Support Current	500A,600A,900A
Communication Protocol	Modbus RS485
Size	271mmx175mmx453mm

4.5KW Integrated Oil Cooled System (Single Gun)



Model Number	MIDA-LCU-4.5KW
Working Voltage	24V DC
Support Current	600A,800A,1000A
Communication Protocol	Modbus RS485
Size	388mmx184mmx523mm

9KW Integrated Oil Cooled System (Single Gun)



Model Number	MIDA-LCU-9KW
Cooling Medium	Insulating oil
Support Current	1000A, 1500A
Working Voltage	24V DC
Liquid Capacity	4L~5L

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Integrated Liquid Cooling Unit for Dual Gun

3.5KW Integrated Oil Cooled System (Dual Gun)



Model Number	MIDA-LCS-3.5KW
Support Current	500A,900A
Working Voltage	24V DC
IP Degree	IP67
Communication Protocol	Modbus RS485
Size	271mmx175mmx453mm

4.5KW Integrated Oil Cooled System (Dual Gun)



Model Number	MIDA-LCS-4.5KW
Support Current	600A,1000A
Working Voltage	24V DC
IP Degree	IP67
Communication Protocol	Modbus RS485
Size	388mmx184mmx523mm

5KW Integrated Oil Cooled System (Dual Gun)



Model Number	MIDA-LCS-5KW
Support Current	700A,1000A
Working Voltage	24V DC
IP Degree	IP67
Communication Protocol	Modbus RS485
Size	340mmx492mmx215mm

6.5KW Integrated Oil Cooled System (Dual Gun)



Model Number	MIDA-LCS-6.5KW
Support Current	800A,1000A
Working Voltage	24V DC
IP Degree	IP55
Communication Protocol	Modbus RS485
Size	340mmx492mmx215mm

9KW Integrated Oil Cooled System (Dual Gun)



Model Number	MIDA-LCS-9KW
Support Current	1000A,1500A
Working Voltage	24V DC
IP Degree	IP55
Communication Protocol	Modbus RS485
Size	310mmx537mmx288mm

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Split Type Cooling Unit (Oil or Water)

2.4KW Split Cooled System (Oil)



Model Number	MIDA-LCST-2.4KW
Cooling Medium	Insulating Oil
Single Gun Charging	700A
Dual Gun Charging	400A
Working Voltage	24V DC
Liquid Capacity	2.5L~3L

3.5KW Split Cooled System (Oil)



Model Number	MIDA-LCST-3.5KW
Cooling Medium	Insulating Oil
Support Current	Single Charging: 900A Dual Charging: 500A
working Voltage	24V DC
Liquid Capacity	2.5L~3L

2.2KW Split Cooled System (Water)



Model Number	MIDA-LCST-2.2KW
Cooling Medium	Antifreeze
Operating Pressure	0~0.5MPa
Working Voltage	24V DC
Communication Protocol	Modbus RS485
Liquid Capacity	1.9L

3.2KW Split Cooled System (Water)



Model Number	MIDA-LCST-3.2KW
Cooling Medium	Antifreeze
Operating Pressure	0~0.5MPa
Communication Protocol	Modbus RS485
Working Voltage	24V DC
Liquid Capacity	1.9L

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Cooling Unit for Charging Power Stack

25KW Liquid Cooling Unit



Model Number	MIDA-CDU-25KW
Cooling Medium	50% glycol-water
Power of Stack	480kw
Full Power Noise	≤65dB@25℃ Tamb ≤75dB@50℃ Tamb
Max Power Consumption	2500W
Liquid Capacity	35L

30KW Liquid Cooling Unit



Model Number	MIDA-CDU-30KW
Cooling Medium	50% glycol-water
Power of Stack	600KW
Full Power Noise	≤65dB@25℃ Tamb ≤75dB@50℃ Tamb
Max Power Consumption	3000W
Liquid Capacity	40L

36KW Liquid Cooling Unit



Model Number	MIDA-CDU-36KW
Cooling Medium	50% glycol-water
Power of Stack	720kw
Full Power Noise	≤65dB@25℃ Tamb ≤75dB@50℃ Tamb
Max Power Consumption	3000W
Liquid Capacity	45L

40KW Liquid Cooling Unit

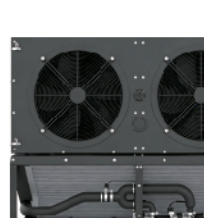


Model Number	MIDA-CDU-40KW
Cooling Medium	50% glycol-water
Power of Stack	800kw
Full Power Noise	≤65dB@25℃ Tamb ≤75dB@50℃ Tamb
Max Power Consumption	3500W
Liquid Capacity	50L

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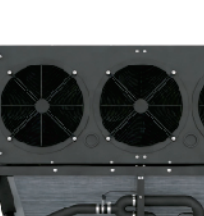
Cooling Unit for Charging Power Stack

45KW Liquid Cooling Unit



Model Number	MIDA-CDU-45KW
Cooling Medium	50% glycol-water
Power of Stack	960kw
Full Power Noise	≤65dB@25℃ Tamb ≤75dB@50℃ Tamb
Max Power Consumption	4000W
Liquid Capacity	55L

60KW Liquid Cooling Unit



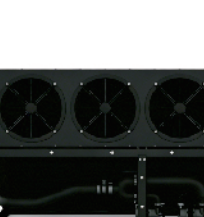
Model Number	MIDA-CDU-60KW
Cooling Medium	50% glycol-water
Power of Stack	1200kw
Full Power Noise	≤65dB@25℃ Tamb ≤75dB@50℃ Tamb
Max Power Consumption	4500W
Liquid Capacity	60L

65KW Liquid Cooling Unit



Model Number	MIDA-CDU-65KW
Cooling Medium	50% glycol-water
Power of Stack	1440kw
Full Power Noise	≤65dB@25℃ Tamb ≤75dB@50℃ Tamb
Max Power Consumption	5500W
Liquid Capacity	70L

72KW Liquid Cooling Unit

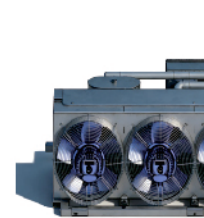


Model Number	MIDA-CDU-72KW
Cooling Medium	50% glycol-water
Power of Stack	1600kw
Full Power Noise	≤65dB@25℃ Tamb ≤75dB@50℃ Tamb
Max Power Consumption	6500W
Liquid Capacity	80L

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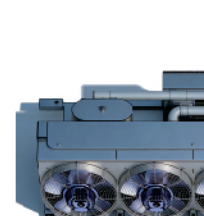
Other Liquid Cooling Unit

36KW PCS Liquid Cooling Unit



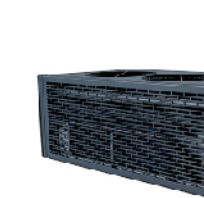
Model Number	MIDA-PCS-36KW
Cooling Medium	50% glycol-water
Power of PCS	5.0MW
Full Power Noise	≤60dB@25℃ Tamb ≤65dB@50℃ Tamb
Liquid Capacity	35L

48KW PCS Liquid Cooling Unit



Model Number	MIDA-PCS-48KW
Cooling Medium	50% glycol-water
Power of PCS	6.0MW
Full Power Noise	≤65dB@25℃ Tamb ≤70dB@50℃ Tamb
Liquid Capacity	40L

25KW Energy Storage Thermal Management Unit



Model Number	MIDA-TMS-25KW
Refrigerating power	8.4kW
EER (35℃)	3
Supply water temperature	18℃
Flow rate	120L/M
Refrigerant	R410A

45KW Energy Storage Thermal Management Unit



Model Number	MIDA-TMS-45KW
Refrigerating power	17.31kW
EER (35℃)	2.6
Supply water temperature	20℃
Flow rate	360L/M
Refrigerant	R410A

www.midapower.com



Address: No.50 of Maoyuan Road, Fengxian District Shanghai 201400, China

Phone: +86-21-60278206

+86-18221956895

Email: info@midapower.com

www.midapower.com www.midaevse.com