

31+

Years of product
design experience

91+

Countries
exported to

8 Million+

Annual meter production

12 Million+

Annual relay production



+86 (21) 6220 9608



+86 (573) 8858 7982



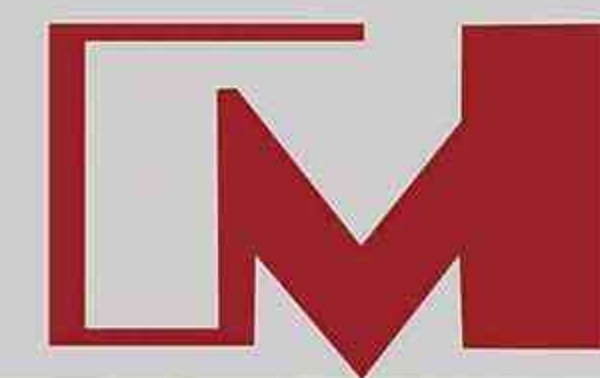
ebp@ivy-metering.com



www.ivy-evpv.com



Room 2012, Gold Source Center, No.28 Yuan'wen Road, Minhang
District, Shanghai 201199, China



IVY METERING®

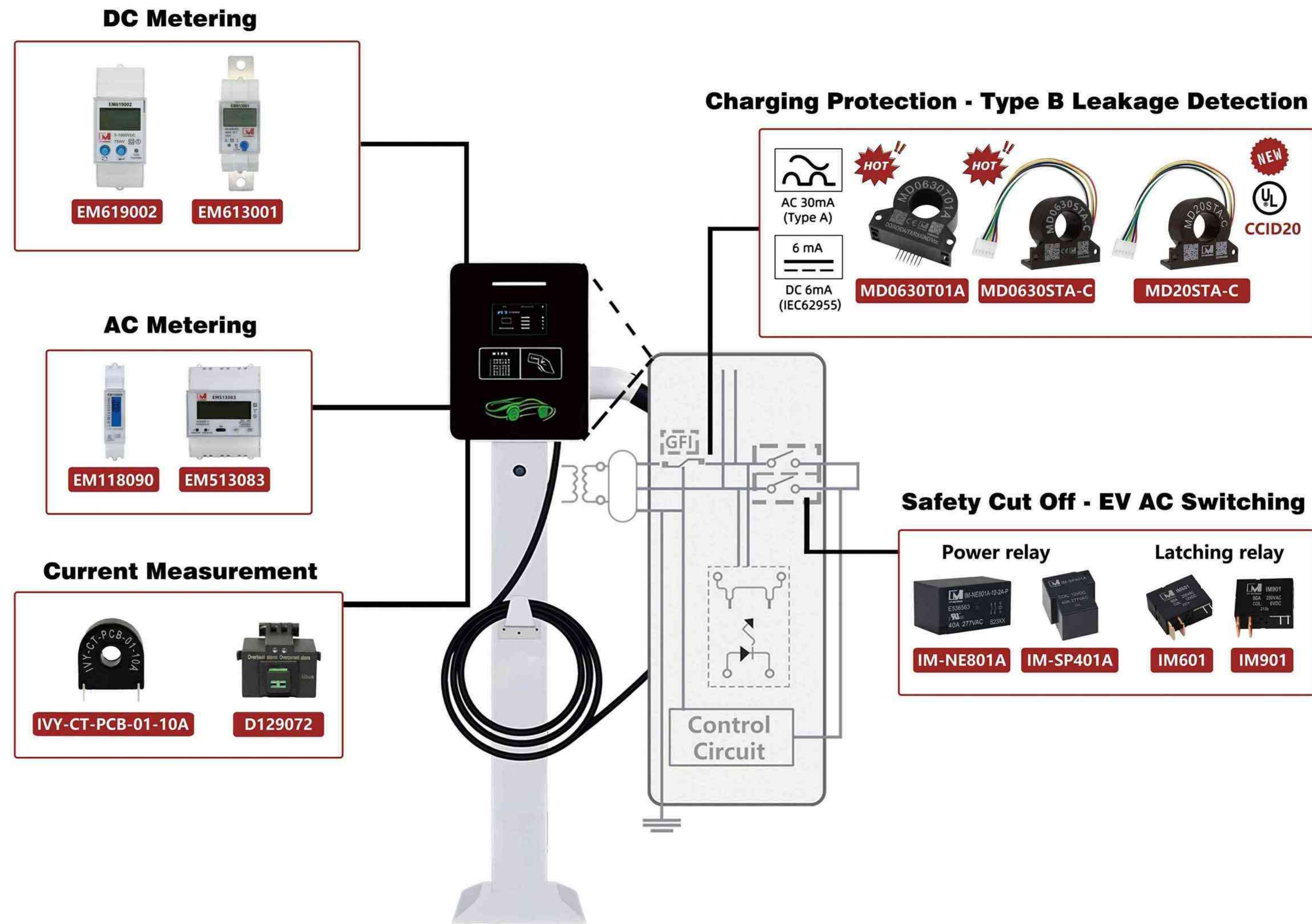
POWERING YOUR

EV & PV

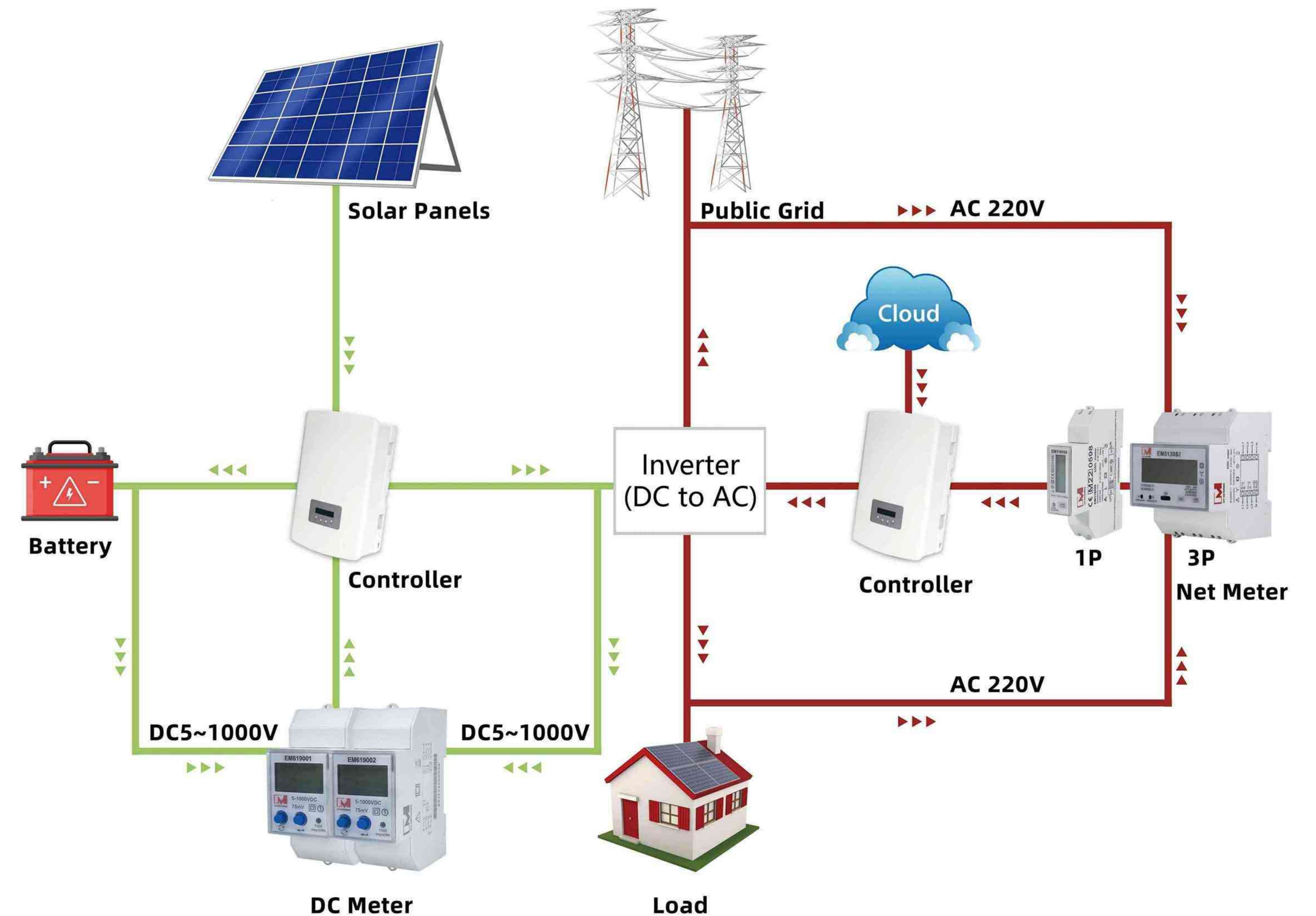


Metering/Protection/Switching

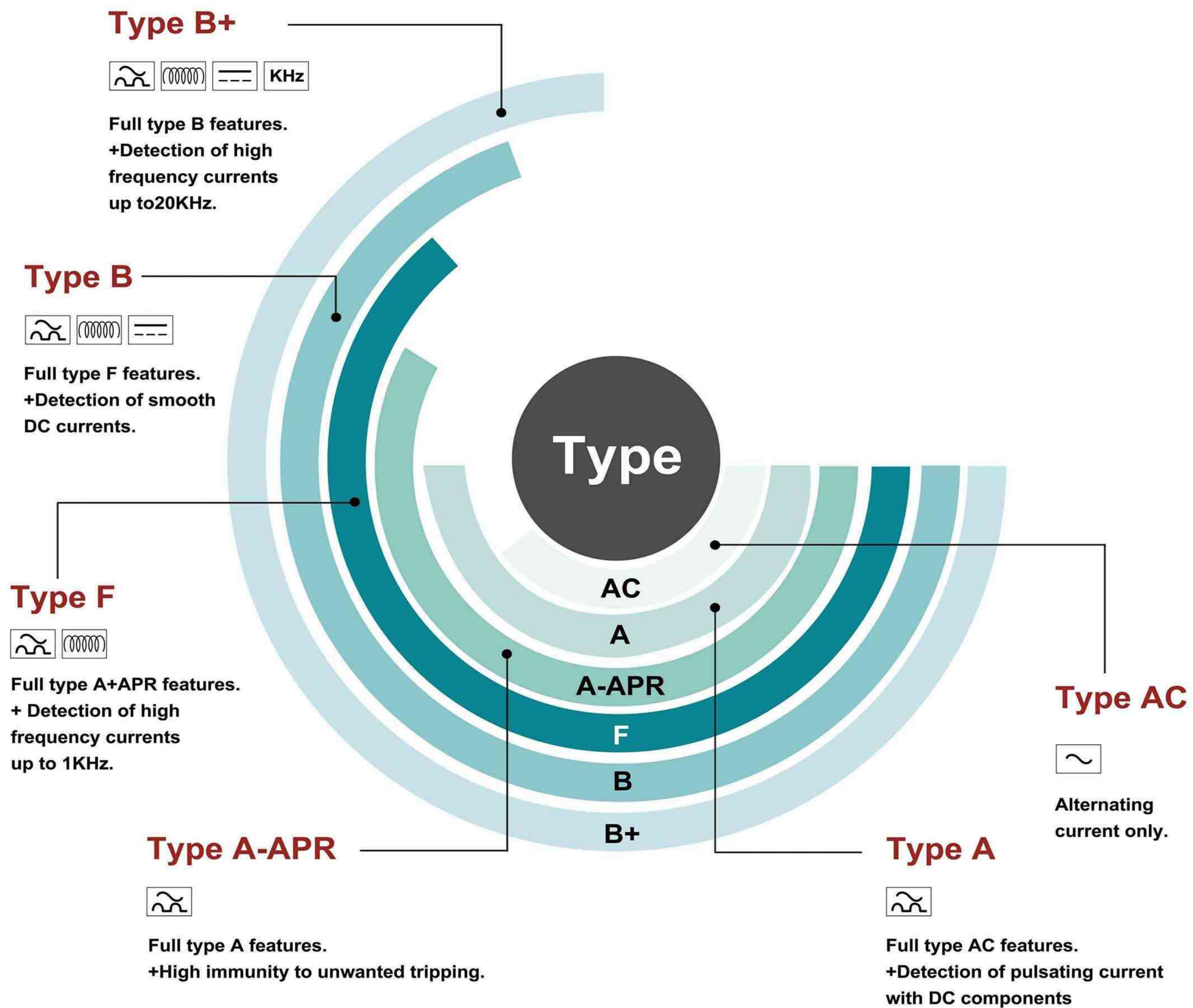
EV Charging Components

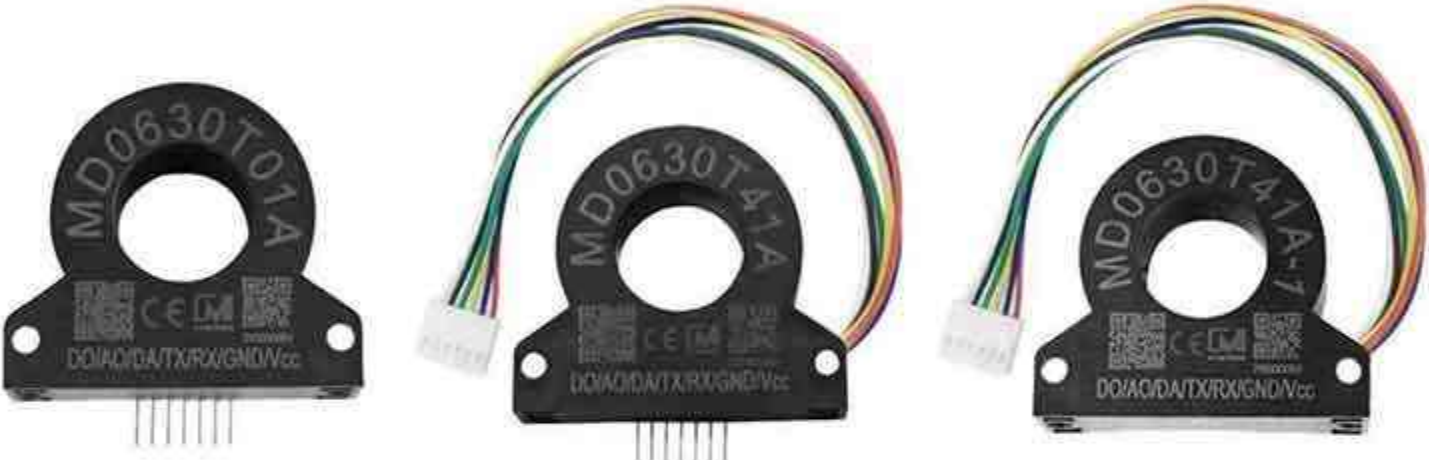


Solar System Components



Leakage Current Sensor



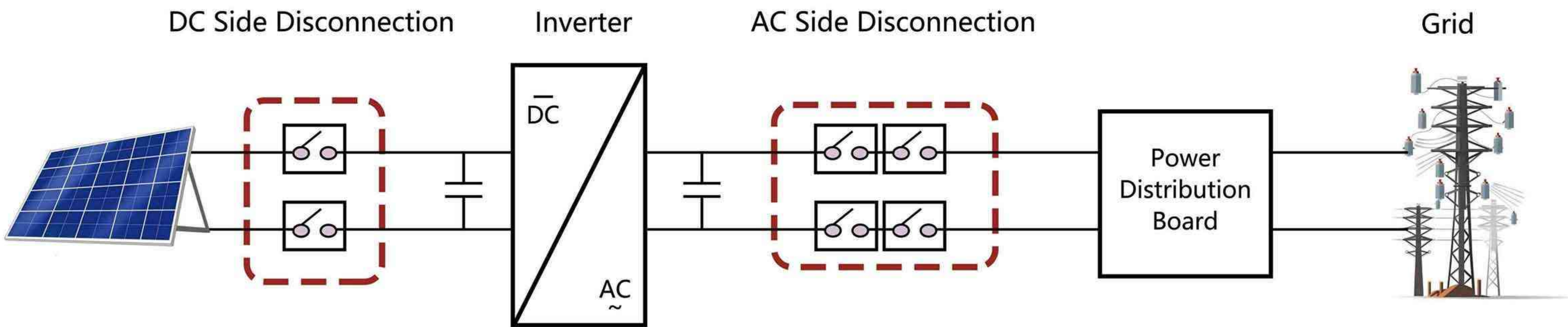
	3 Original Models & Variants	STA Series	UL Type	DC Type
Appearance				
Type	AC&DC			Only DC
Measurement Current Range	DC 2~15mA; AC 3~100mA			DC 2~15mA
Alarming Threshold	Default Threshold:DC 6mA, AC 30mA (Settable)		DC 6mA, AC 30mA (Unsettable)	AC 15~20mA (@60Hz) DC 40×1.414mA
Alarming Signal Output Type	High and Low Level Digital Signal (Push-pull Output)		Open Collector Output 3~25V	
Leakage Current Detection Type	Type B+		Type B	Detect DC Only, Not Applied
CE Mark	✓		✓	✓
Standard	TUV(IEC62955)&CE;IEC62752		TUV(IEC62955)&CE; IEC62752	UL2231-2
Installation	Vertical, Horizontal, Vertical+Horizontal Optional		Vertical, Horizontal Optional	At Present, Only Cable Models are Available
Self-test	/		✓	✓
Communication	No Communication.IR(Modbus Protocol) UART(Modbus Protocol) Optional		/	/
Volume Optional	Smaller Size Optional Smaller Size with Plus Central Hole Optional		/	/
Other Options Available				
Model Index	MD0630T01A(Curved Pin 5.5mm) MD0630T01A-4(Curved Pin 3.0mm) MD0630T01A-1(Reverse Type) MD0630T01A-2(Smaller Size) MD0630T01A-2P(Smaller Size with Plus Central Hole) MD0630T01A-Z(Horizontal Pin Type) MD0630T41A-1(Cable Without Communication) MD0630T41A-2(IR Communication) MD0630T01A-3(without pin, with UART) MD0630T01A-R(RJ12 Cable with UART) MD0630T41A(Pin + Cable) MD0630T41AA(New Chip, High Speed) MD0630T41A-30(Cable: 20cm Change into 30cm)		MD0630STA-P(Pin) MD0630STA-C(Cable)	MD20STA-C MD36DA-P(Pin) MD36DA-C(Cable)

For customization inquiries, please contact us

EVSE Relay



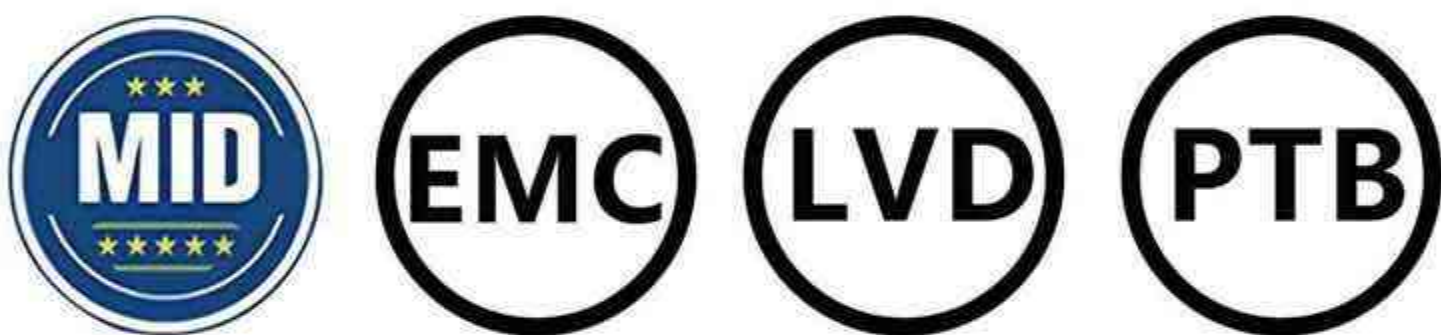
- High Switching Capacity of 32A/40A/60A/90A
- Single Pole, Dual Poles Optional (Form1A/1B,2A)
- 1.8/2/3/4mm Contact Gap, Withstand Voltage 4000VAC
- TUV-UL/RoHs&Reach Certified,IEC61810-1 Standard Compliant



Model	IM-NE801A	IM-SP401A	IM601	IM901
Appearance				
Certificate	UC2	UC2	TUV/UL Pending	UL,IEC61810-1
Type	Monostable		Bistable	
Rated Load	40A,277VAC	40A,277VAC	60A,250VAC	90A,250VAC
Contact Form	2A	1A/1C	1A/1B	1A/1B
Contact Material	AgSnO ₂	AgSnO ₂	AgSnO ₂	AgSnO ₂
Coil Voltage	12VDC	12VDC	6~24VDC (Arbitrary Value)	6~24VDC (Arbitrary Value)
Pick-up Time	30ms.typical	15ms.Max (without diode)	≤20ms	≤20ms
Release Time	10ms.typical	10ms.Max (without diode)	≤20ms	≤20ms
Contact Resistance (Initial Value)	10mΩ (at 20A)	50mΩ.Max (1A 6VDC)	≤1.0mΩ	≤1.0mΩ
Coil Consumption	3.0W	0.9W	Single Coil 1.5W	Single Coil 1.5W
			Dual Coils 3.0W	Dual Coils 3.0W
Dielectric Strength (Initial)	Between Coil and Contact	5000VAC, 1min	4000VAC, 1min	4000VAC, 1min
	Between Open Contact	4000VAC, 1min	1500VAC, 1min	2000VAC, 1min
Electrical Life (Resistance)	2×10*4 ops	1×10*4 ops	10,000 cycles	10,000 cycles
Mechanical Life	1×10*6 ops	1×10*7 ops	100,000 cycles	100,000 cycles

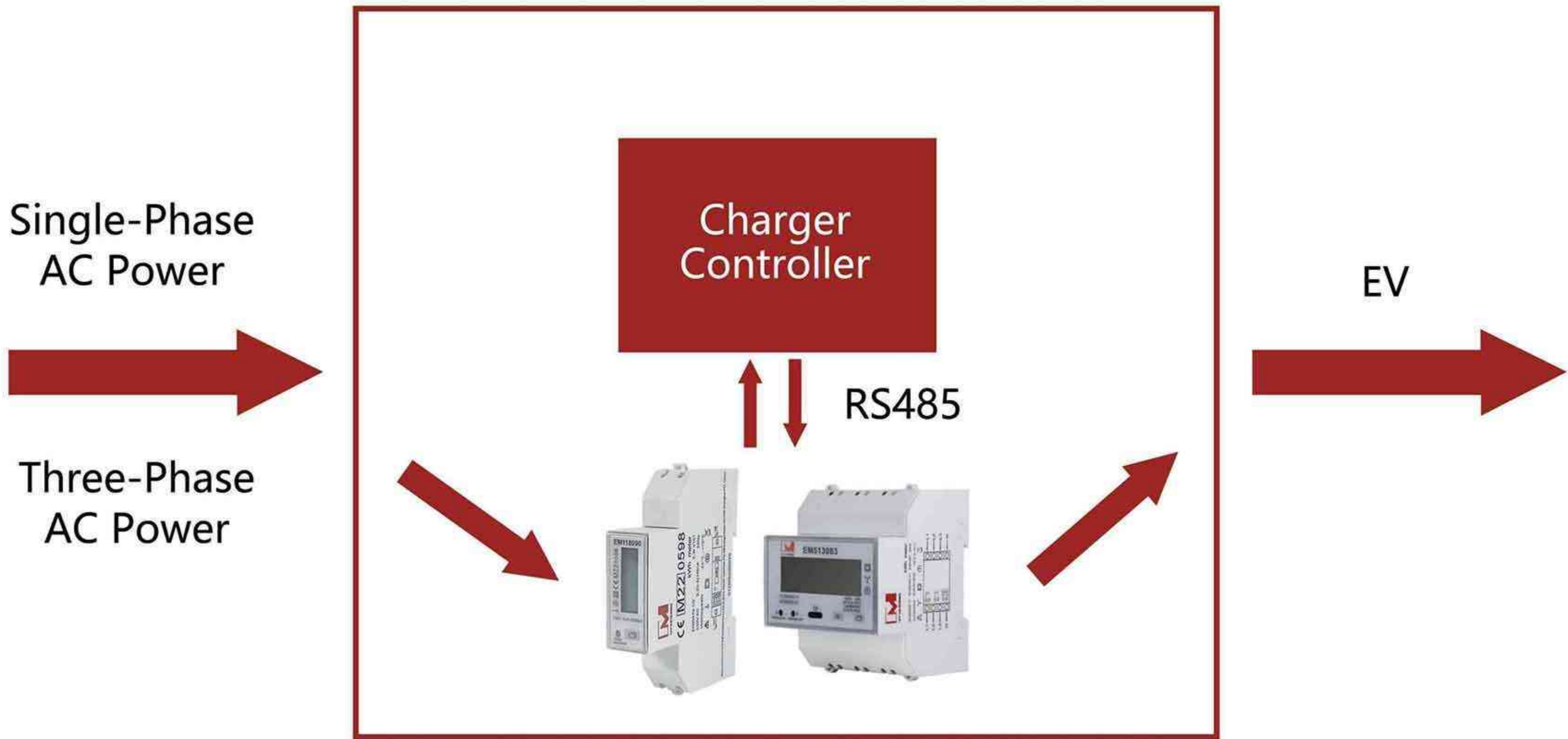
For customization inquiries, please contact us

AC Energy Meter



- 5A~100A Optional
220V/230V
- Bi-directional Metering
- SO Output
Multi-tariff Optional
- RS485 Communication
Modbus and DLT645 protocol
- Ultra-small Size
3/4 Measurement Modes

7-22kw



Model	EM118089	EM118090	EM118091	EM513084	EM513083	EM513082
Appearance						
Wiring	1-phase			3-phase		
Electrical Parameters Measurement	Voltage,Current,Active Power,Reactive Power, Apparent Power,Frequency,Power Factor Active/Reactive Energy and Forward and Reverse Measurement (Four Quadrant Measurement)			Voltage,Current,Active Power,Apparent Power,Reactive Power, Frequency,Power Factor,Active Demand,Reactive Demand, Maximum Active Demand,Maximum Reactive Demand, Bi-directional Active/Reactive Energy,Phase-resolved Forward and Reverse Active and Reactive Energy,T1-T4 Active/Reactive Energy (Import/Export),T1-T4 Quadrant Reactive Energy, Resettable Bi-directional Active/Reactive Energy		
Ref.Voltage	230V			3*230V/400V		
Ref.Current	5(100)A			5(100)A		
Measurement Mode	1.total=forward 2.total=reverse 3.total=forward+reverse(default) 4.total=forward-reverse			1.total=forward 2.total=reverse 3.total=forward+reverse(default) 4.total=forward-reverse		
Accuracy Class	Class B			Class B		
SO Output	Yes	NA		Yes		
Tariff	NA		Yes	NA		Yes
Battery	NA		Yes	NA		Yes
Communication	NA	RS485 Modbus/DLT645		IR	IR,RS485 Modbus/DLT645	
Backlit Display	Yes			Yes		
Standard	EN50470-1/3, IEC62052-31,IEC61010-1,IEC62052-11			EN50470-1/3		
Certificate	EMC,LVD,MID (Module B+D)certified			EMC,LVD under Preparation MID (Module B+D)certified		

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DC Energy Meter

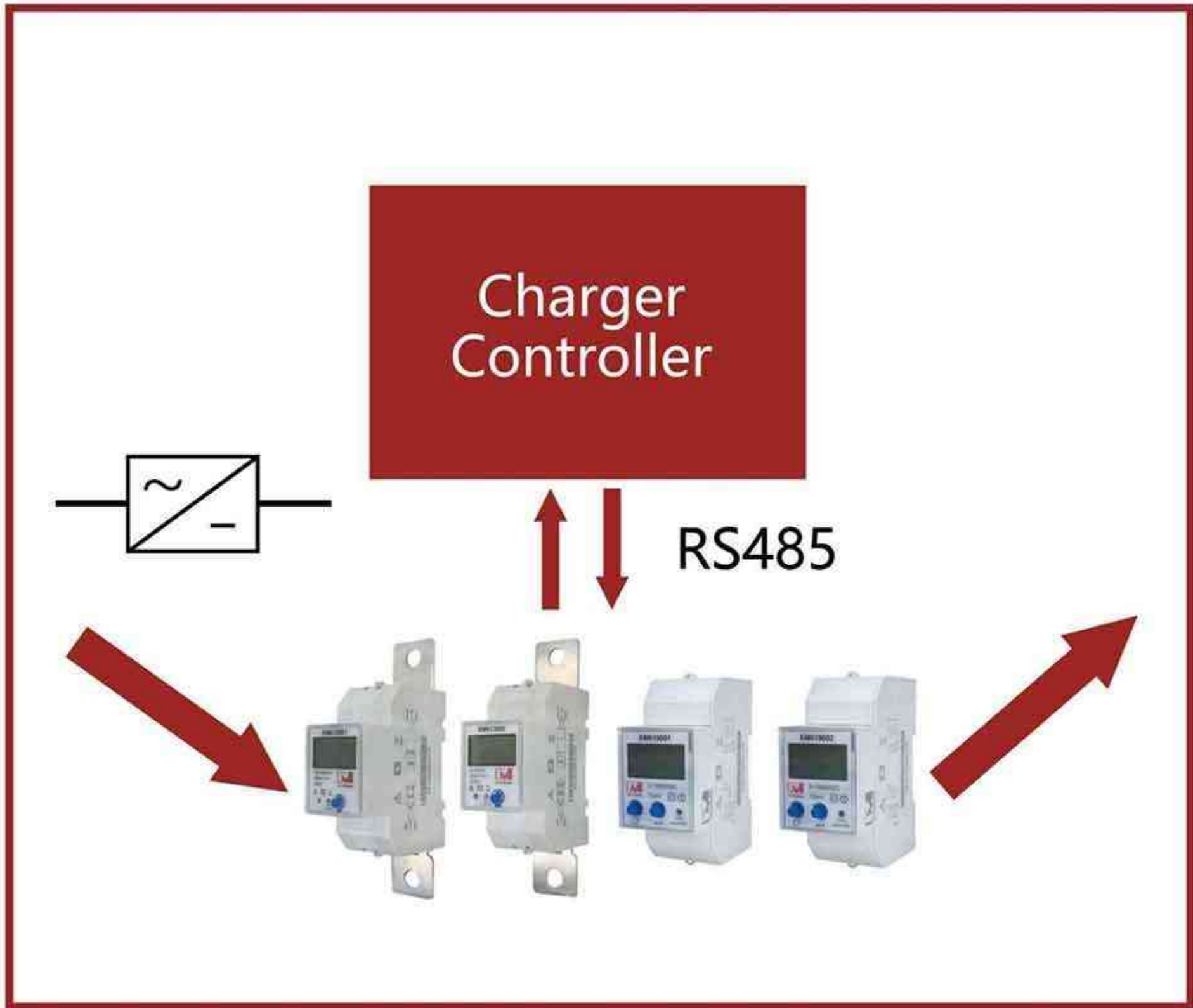


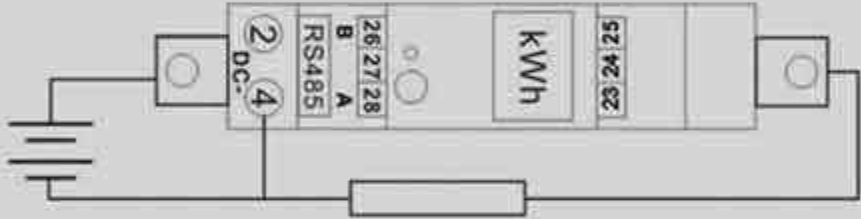
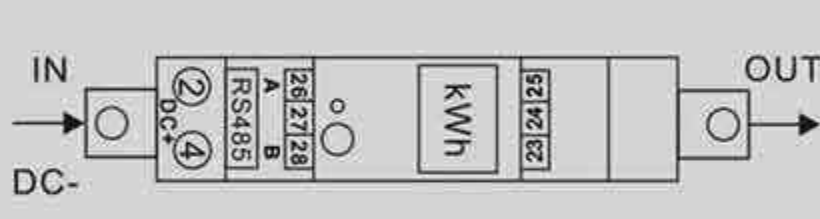
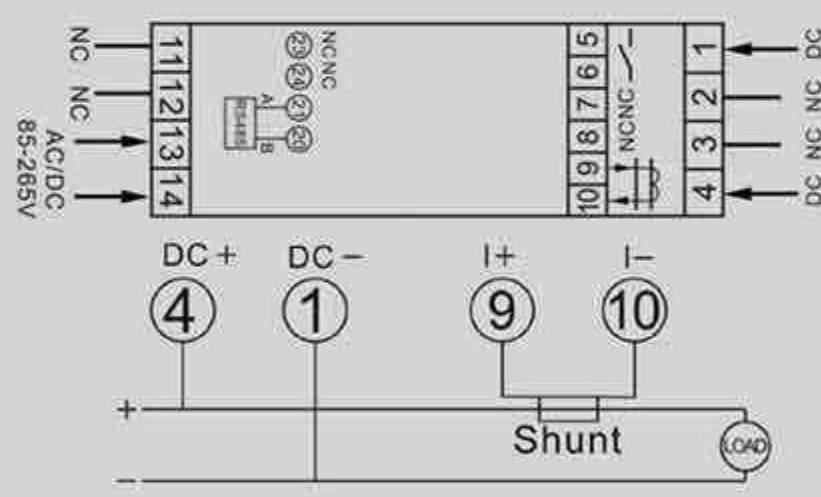
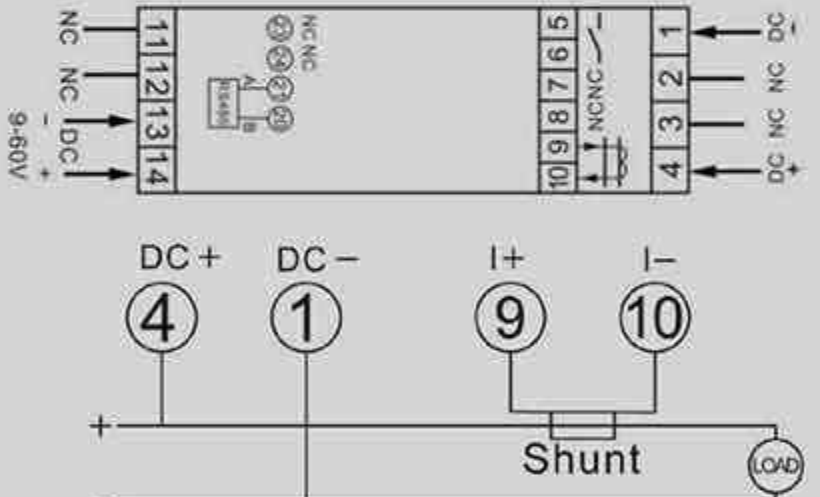
- 10~240A/2000A
8-48V/40-400V/5-1000V
- Bi-directional Metering
or Absolute Metering Optional
- Shunt Sampling, Internal or
External Shunt Optional
- RS485 Communication
Modbus and DLT645 protocol
- Over/Under-Voltage&Current Alarm
Event Log, 4 Tariffs 8 Slots

7-22kw

Single-Phase
AC Power

Three-Phase
AC Power



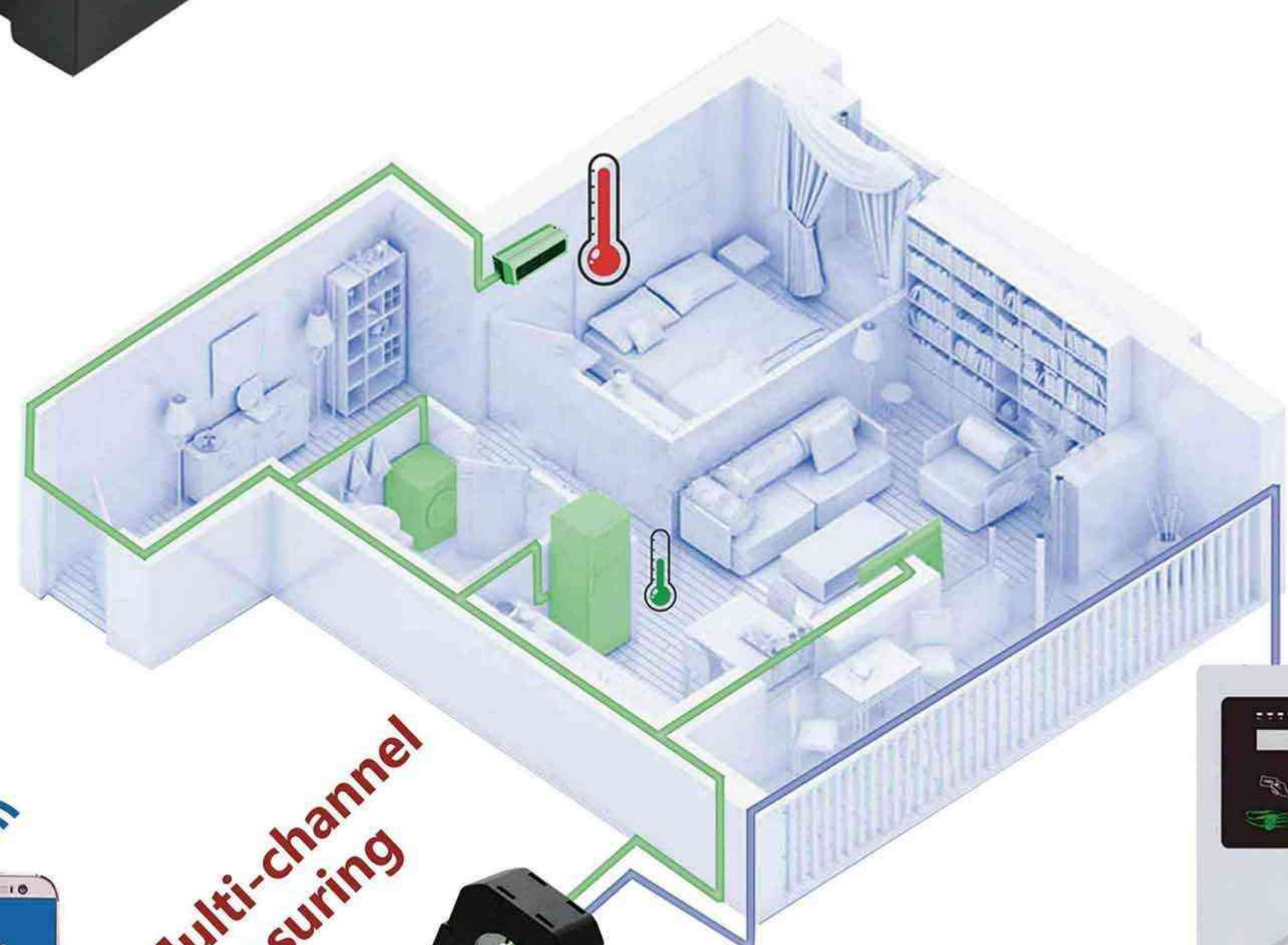
Models	EM613001		EM613005		EM619001		EM619002	
Appearance								
Measurement Mode	Absolute Value				Bi-directional Active Energy			
External Power Supply	DC 40V~400V		DC 8V~48V		AC / DC 85~265V		DC 9~60V	
Ref.Voltage	DC 40V~400V		DC 8V~48V		DC 5V~1000V			
Ref.Current	10A~240A				Up to 2000A (Integrated meter signal:75mV)			
Accuracy Class	Cl1.0							
Pulse Constant	100imp/kwh		1000imp/kwh					
Backlit Display	LCD Backlit 6+2							
Alarming	Over or Under-voltage,Over-current Alarm,Threshold Value Can be Set							
Overcurrent Disconnect	/				Single Channel Auxiliary Relay for Overcurrent Cut-off Signal Output (Need External Relay to cut-off)			
Communication	RS485							
Communication Protocol	DLT645		DLT645/Modbus		DLT645/Modbus			
Communication Speed	9600 bps		9600 bps		Max. 115200 bps			
Multi-tariff	Yes							
Power Consumption	≤8VA ≤0.4W							
Shunt	Built-in				Not included, Need External Shunt for Current Sampling			
Wiring Diagram								

For customization inquiries, please contact us

M-BUS/Wifi Current Sensor



- Readable Measuring Current: 200mA~100A
- M-bus/WiFi & Bluetooth Communication
- Real-time Monitoring V,I,KW etc.
Over-current/Over-temperature Protection
- Split Core Type, Easy to Install
- Modbus (RTU&TCP), HTTP/Json Protocol&OTA



Multi-channel
Measuring

**Home & EV Charger
Power Balancing
Golden Partner**



Smart Charging Module



32A
21kW

Power
Output



1P 220V
3P 380V



Measuring &
Metering



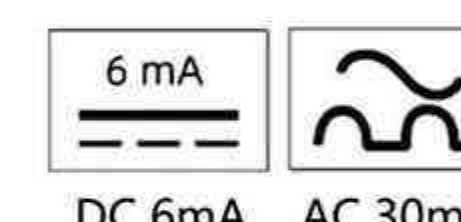
Install
Indoor/Outdoor



5m
Cable



RS485,NFC
Bluetooth,4G etc



Leakage
Protection



Switching
on & off

**ALL
IN-ONE**

- Truly Integrated-combines Metering, Leakage Protection, and Secure on/off
- Customize Design Your Own Enclosure to Match Your Brand and Usage

Company Introduction

IVY METERING is the manufacturer and provider in the field of electricity switching & metering. Our main products include switching series (relay & switch), measuring components (CT & Shunt), measuring assembly (RCD & Sensor), metering devices (Meter & IOT device).

With the factory in Zhejiang province and sales center in shanghai city, our products are recognized by the reputable lab/certificates such as SGS, NMI, KEMA, ANSI and exported to more than 91 countries with quality assurance.

Vision

Build Organization with
Employee Well-being
Lead World in
Harmonious Metrology

Mission

Focus on
Energy Management,
Light up Better Life

Core Value

INNOVATION,
INTEGRITY,
COOPERATION,
WIN-WIN

IVY Footprints



Factory



Certificate

