



ELV/LVDC Din-Rail Power Meter

Typical Applications



PV/Solar Panel



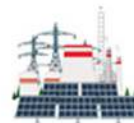
EV Charger



Base Station



Battery Storage
System



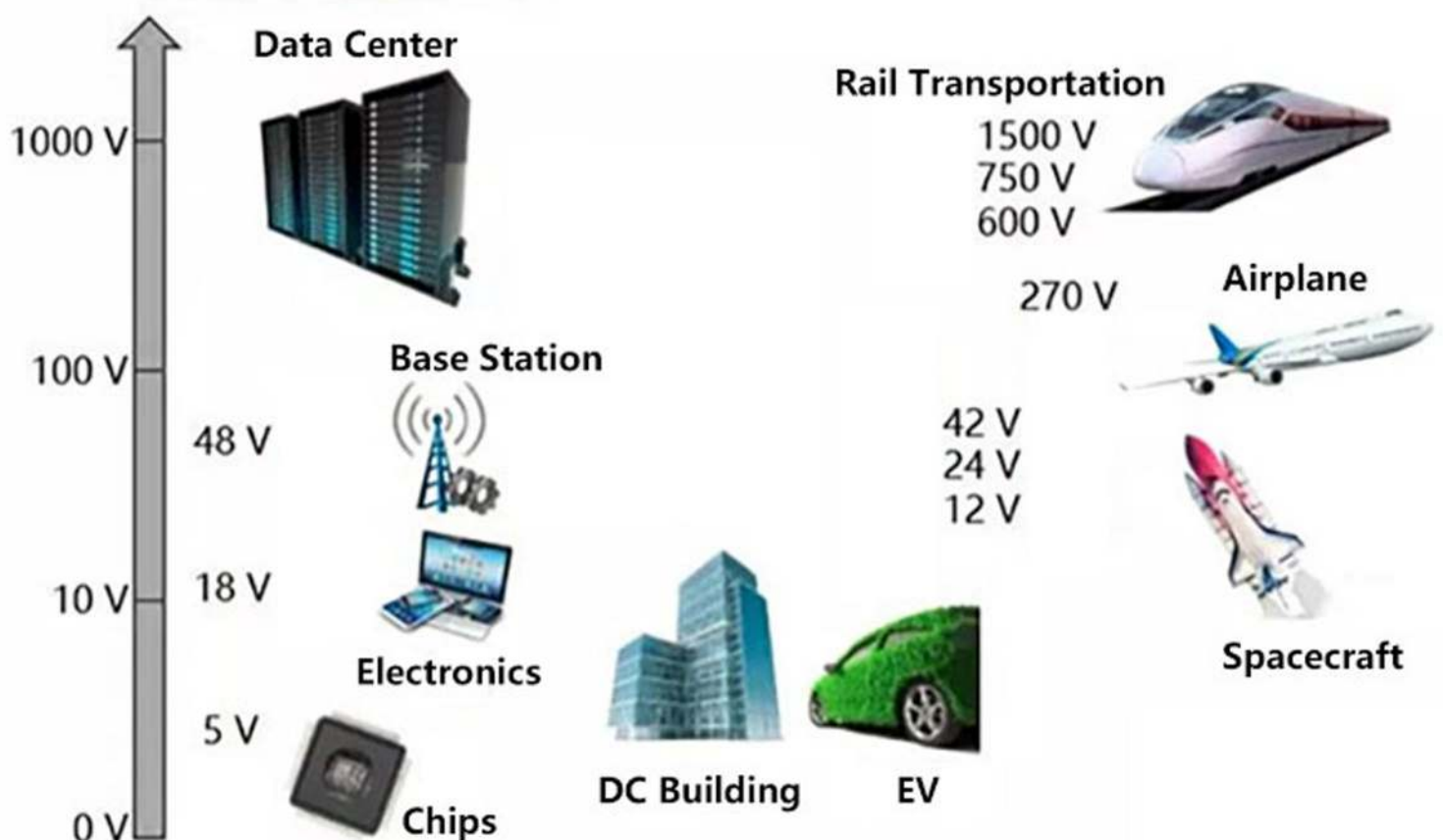
Power Generation
System

Specially designed for Renewable 2.0/ Renewable 3.0
EV/PV/BES/Base Station/DC House/DC Workshop/DC Building

Applications

- Base Station
- DC Measurement
- Equipment Monitoring
- Genset, Solar and UPS applications
- In Control Panel to Measure Different Electrical Loads
- Battery Management
- Electric Charging
- Telecommunication

Typical VDC Value



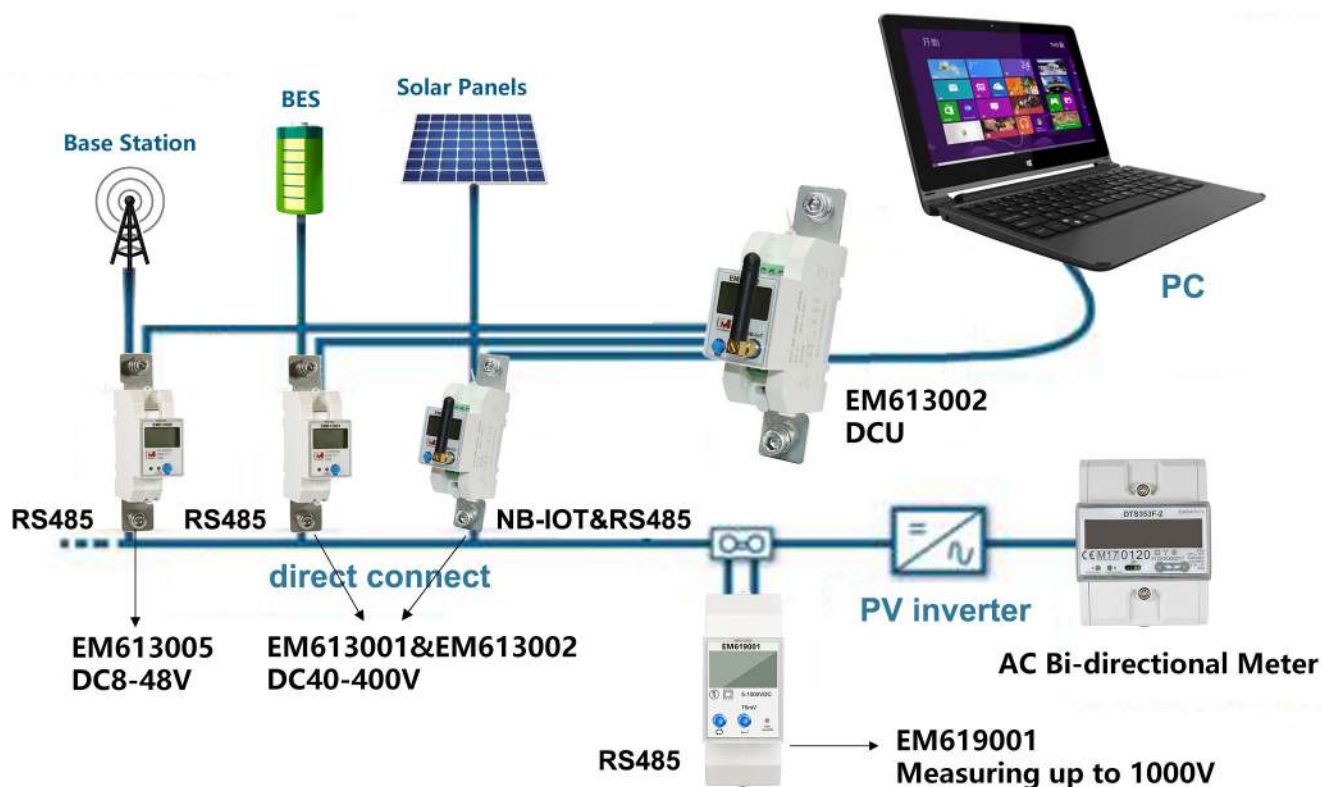
**10-240A
40-400V**

DC Din Rail Meter With RS485 Comm.



EM613001 Features

- Shunt Sampling for DC Measuring, Class 1
- Measure I, V, kWh (10~240A, 40~400VDC)
- RS485 Comm with DTL645 Protocol
- LCD Backlight, Four Tariffs with 8 Time Slots
- For EV Charging/Solar Energy System/
- Telecom Base Station/Battery Storage System/
DC House/Workshop/Building



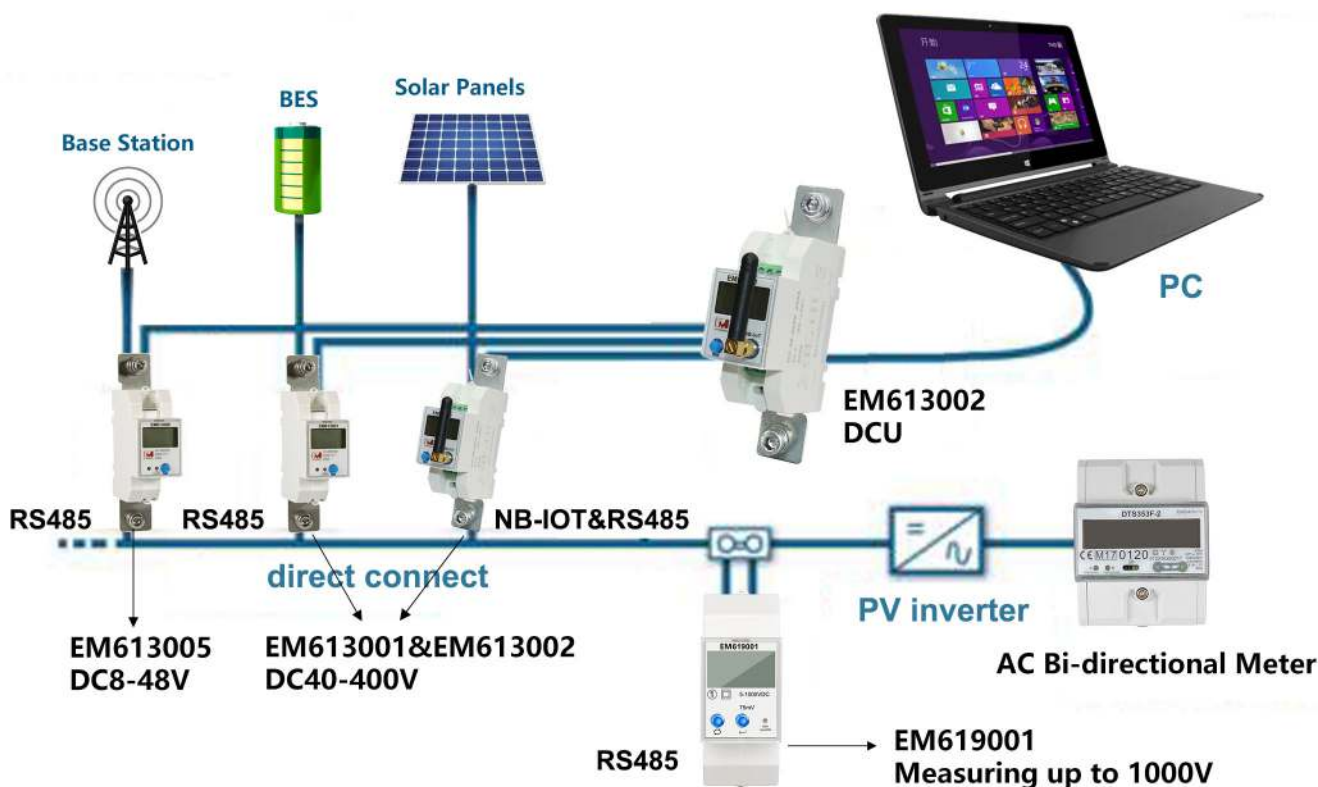
**10-240A
40-400V**

DC Din Rail Meter RS485 & NB-IOT Optional



EM613002 Features

- Shunt Sampling for DC Measuring, Class 1
- Measure I, V, kWh (10~240A, 40~400VDC)
- RS485 & NB-IOT Comm. Optional with DTL645 Protocol
- LCD Backlight, Four Tariffs with 8 Time Slots, Serve As DCU (Allow 25pcs of Slaves)
- For EV Charging/Solar Energy System/ Telecom Base Station/Battery Storage System/ DC House/Workshop/Building



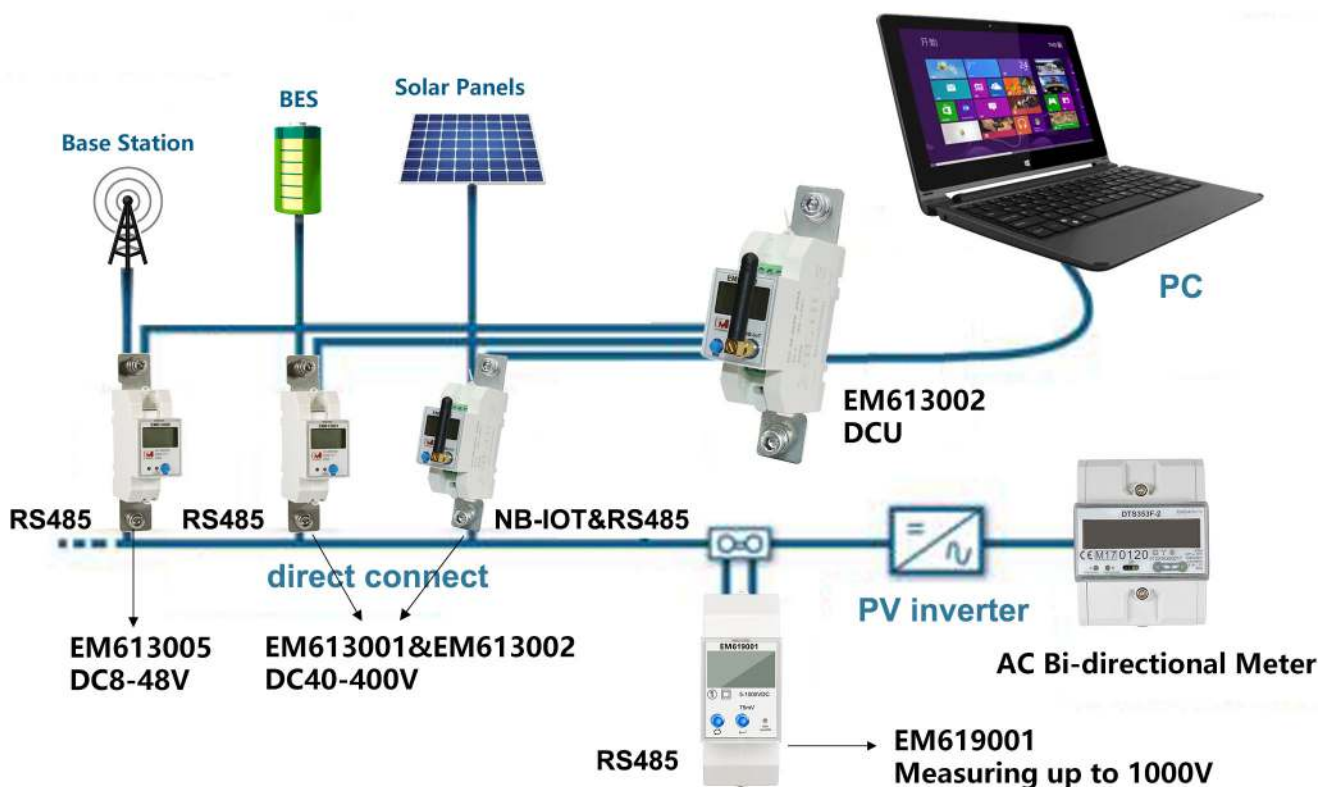
**10-240A
8-48V**

Extra-Low Voltage DC Din Rail Meter



EM613005 Features

- Shunt Sampling for DC Measuring, Class 1
- Measure I, V, kWh (10~240A, 8~48VDC)
- RS485 Comm with DTL645/Modbus Protocol
- Over-current/ Over-voltage/Under-voltage Alarm
- LCD Backlight, Four Tariffs with 8 Time Slots
- EV Charging/Solar Energy System/
Telecom Base Station/Battery Storage System/
DC House/Workshop/Building



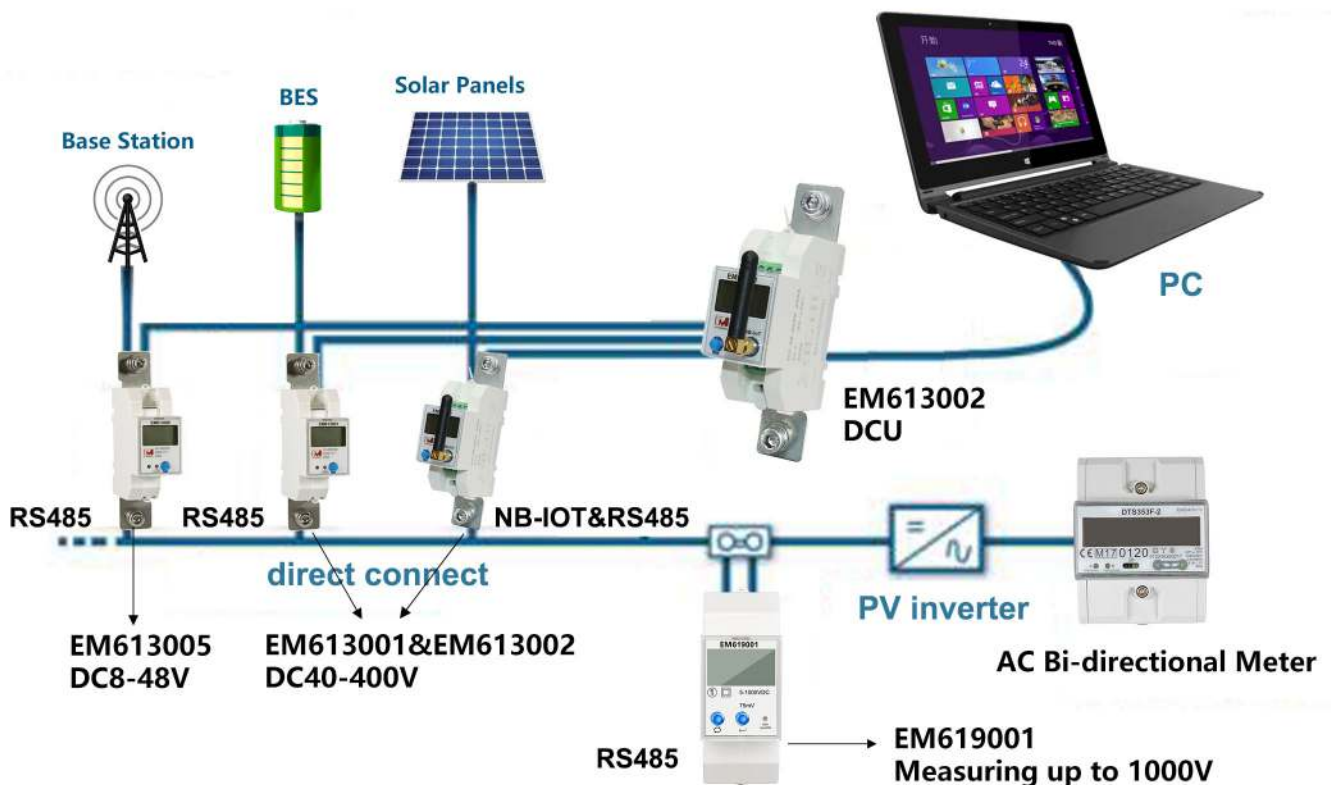
2000A
5-1000V

High Current & Voltage Bi-directional DC Meter



EM619001 Features

- Voltage Input 5~1000V
- Measuring Current up to 2000A(Settable)
- Din Rail Mount, High Accuracy of Cl1.0
- External Shunt Connection with Signal Input of 75mV
- RS485 Comm.(115200bps) with DTL645 & Modbus Protocol
- Bi-directional Measurement with Multi-tariff
- Overcurrent Disconnect with Auxiliary Relay



LVDC Metering, Ideal for Renewable 2.0

Product Name	DC Din Rail Energy Meter			
Model	EM613001	EM613002	EM613005	EM619001
Reff				
Measurement Mode	Absolute Value	Absolute Value	Absolute Value	Bi-directional Active Energy
External Power Supply	DC 40V~400V	DC 40V~400V	DC 8V~48V	AC 85~300V / DC 100~300V
Voltage	DC 40V~400V	DC 40V~400V	DC 8V~48V	DC 5V~1000V
Current	10A~240A	10A~240A	10A~240A	Up to 2000A (Integrated meter signal: 75mV)
Accuracy	Cl1.0	Cl1.0	Cl1.0	Cl1.0
Impulse Constant	100imp/kwh	100imp/kwh	1000imp/kwh	1000imp/kwh
LCD Display	LCD 6+2	LCD 6+2	LCD 6+2	LCD 6+2
Comunication	RS485	RS485 & NB-IOT	RS485	RS485
Comunication Protocol	DLT645	DLT645; 376.1	DLT645/Modbus	DLT645/Modbus
Communication Speed	9600 bps	9600 bps	9600 bps	Max. 115200 bps
Power Consumption	≤8VA ≤0.4W	≤8VA ≤0.4W	≤8VA ≤0.4W	≤8VA ≤0.4W
AC Diaelectric Strength	2700V/min	2700V/min	2700V/min	4400V/min
Built-in Battery	Yes	Yes	Yes	Yes
Environment Temp.	-20~+70°C	-20~+70°C	-20~+70°C	-25 ~ +70°C
Environment Humidity	≤95%	≤95%	≤95%	≤95%
Shunt	Yes	Yes	Yes	/, User Provided
Overcurrent Disconnect	/	/	/	Yes, auxiliary relay control external relay
Installation	Din Rail Type	Din Rail Type	Din Rail Type	Din Rail Type
Dimension (unit: mm)				
Diagram				
Application	Solar System, Battery Management, Base Station, Electric Charging, Telecommunication DC Measurement Equipment MonitoringGenset, Solar and UPS applications In control panel to measure different electrical loads			



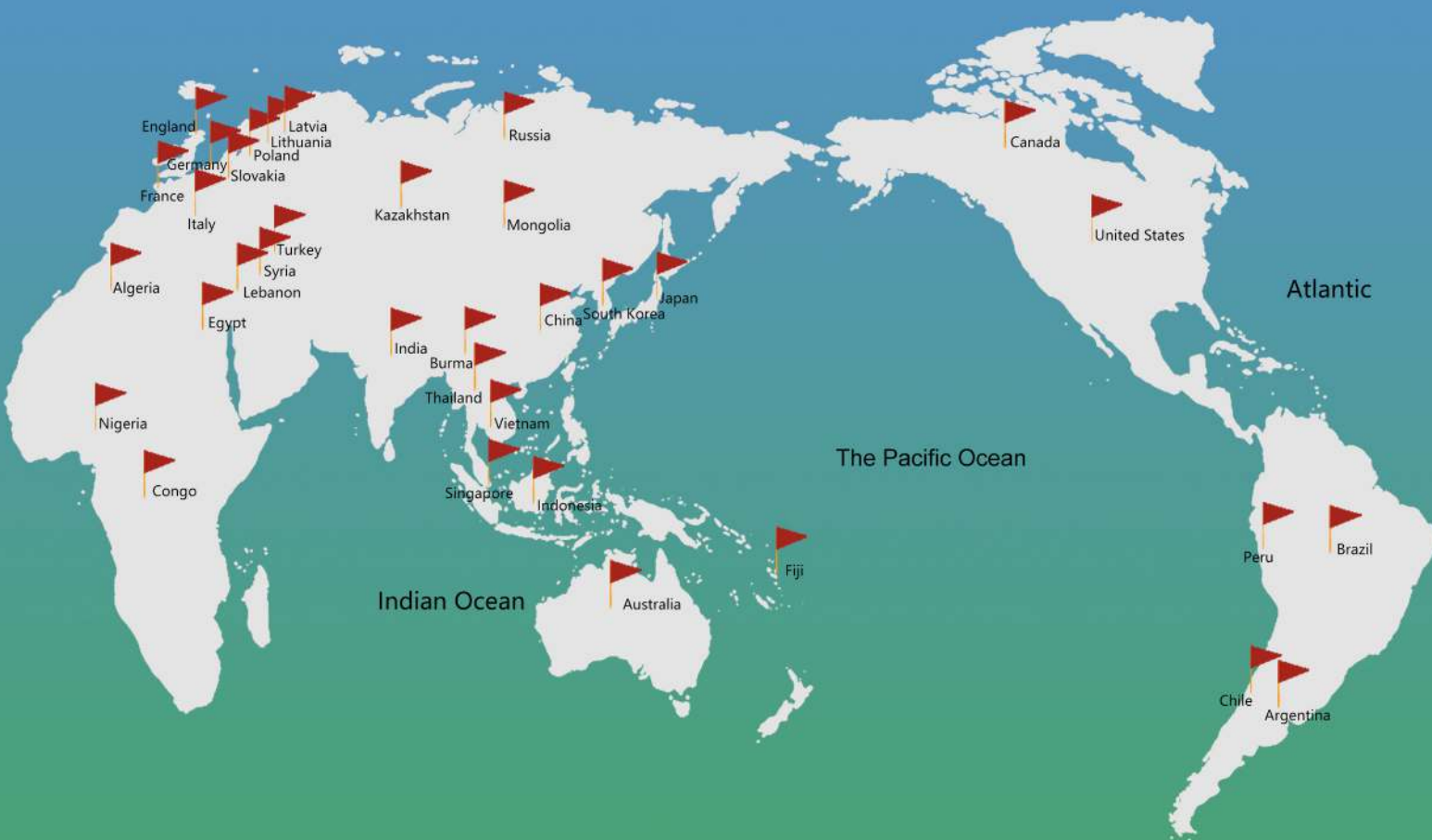
IVY METERING®

Enjoy DC-World

28+ Years' Experiences

80,000m² of Own Factory

Exported to 68+ Countries



+86 13472858741



ebp@ivy-metering.com



Room 1206,AFC Grand Hong'qiao International, No.999 Li'an Rd,
Min'hang District,Shanghai China