

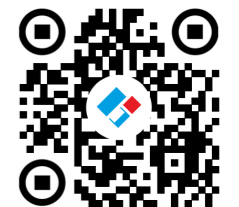


# DC ENERGY METER

Reliable DC metering solution for solar, EV charging, BESS, and critical power applications.



CHONG QING  
BLUE JAY TECHNOLOGY  
CO.,LTD



# DCEM SERIES

The DCEM Series delivers high-precision DC circuit metering with real-time monitoring of voltage, current, and energy consumption. Designed for solar, EV charging, and battery storage systems, it ensures reliable data acquisition, improved energy efficiency, and seamless integration into modern DC power distribution networks.



PARAMETER	DCEM-3MS	DCEM-4MS	DCEM-5MS	DCEM-96S
Measurement Channels	1 Channel	2 Channels	4 Channels	1 Channel
Power Supply Range	85-265Vac/dc, 45-65Hz; DC 20-60V Optional			
Voltage Range	Typical 300V, Max 1000V	Typical 100V, Max 1000V	Typical 300V, Max 1000V	Typical 300V, Max 600V
Input Access	Shunt	Shunt or CT	CT	Shunt
Current Input	Shunt input, default 75mV	Shunt input: 0-75mV; Or Hall CT input: 5-500A	Hall CT input, default 0-4VDC	Shunt input, default 75mV
U/ I/ P Accuracy	0.5%fs			
Energy Accuracy	Class 1.0			
Dimensions (L*W*H)	50*104*63mm	72*94.5*48.5mm	89*128*41mm	96*96*75mm
Communication Interface	RS485/ MODBUS-RTU			



## DCEM-4MS Dual-Channel DC Meter

- Dual-channel independent metering;
- Bidirectional energy measurement;
- Shunt & hall sensor compatibility;
- Multi-tariff energy management;
- Maximum demand recording;
- Historical max/min value tracking;

## DCEM-96S Panel Mouted DC Meter

- Universal ac/dc auxiliary power supply;
- Local visualization with large lod display;
- Programmable digital i/o functions;
- Standard RS485, optional ethernet interface;
- 50mv/75mv/100mv flexible shunt input design;



## DCEM-5MC Solar DC Energy Meter

- 4-channel independent DC metering;
- Hall CT exclusive 0~4V standard signal input;
- On-panel full keyboard parameter configuration;
- Independent multi-group programmable alarm logic;
- Separate active/reactive energy pulse output;
- Multi-tariff energy management;
- Maximum demand recording;

## DCEM-3MS Solar DC Energy Meter

- Utilizes a standard 75mV shunt input;
- HD LCD for real-time monitoring of multiple parameters;
- Standard 35mm DIN rail snap-on mounting;
- Measuring of both energy consumption and regeneration;
- Flexible current ranges from 0 to 9999A;

