

PD195Z-CD31F

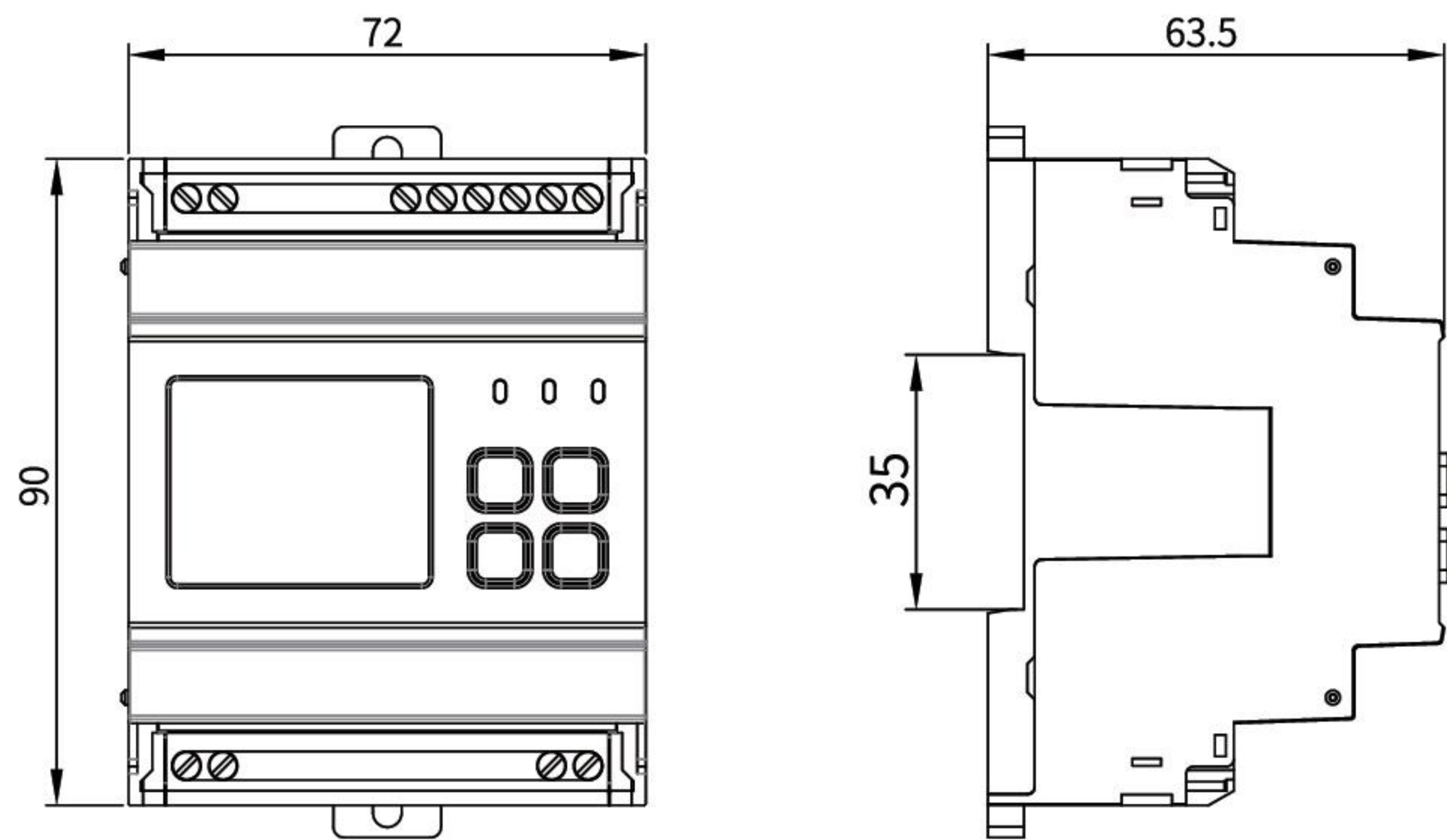


PRODUCT INTRODUCTION

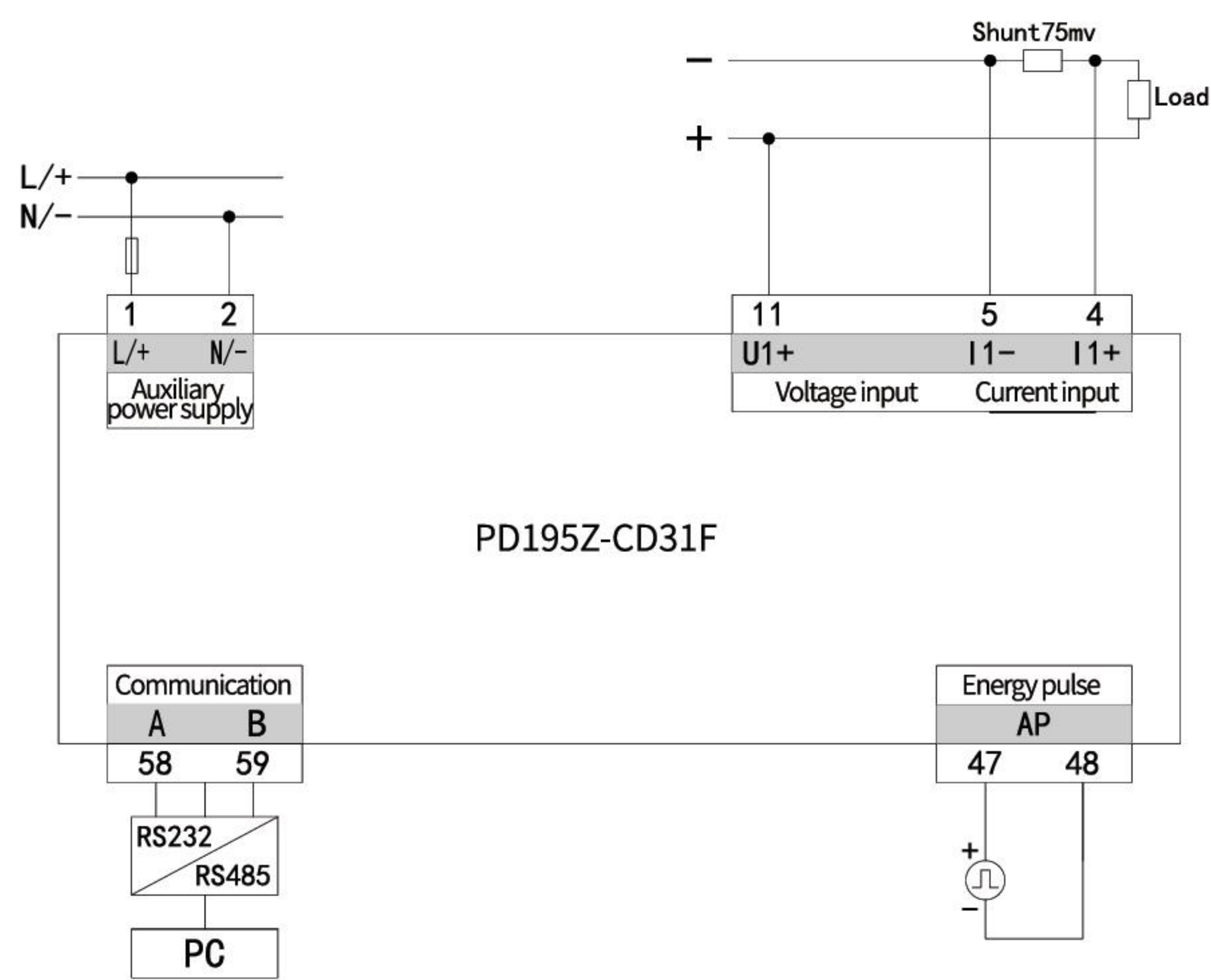
PD195Z-CD31F DC energy meter is applicable to DC EV charger. It can measure the voltage,current and power of one DC circuit, provide accurate metering function, and have RS485communication interface to realize remote data transmission.



DIMENSIONS



TYPICAL WIRING



TECHNICAL SPECIFICATION

Electrical Characteristics		
Accuracy	Voltage, current: Class 0.5, Power: Class 1, Energy: Class B	
Voltage input	Rated voltage Un	DC 1000V CATII
	Over voltage	Continuous: 1.2Un
	Power consumption	≤0.2W
Current input	Rated value In	75mV ( input via shunt )
	Minimum current	0.05In
	Maximum current	1.2In
	Start-up current	0.004In
	Power consumption	≤0.1W
Working power supply		
Rated range	AC/DC:80-270V or DC:9-36V	
Power consumption	≤5VA or ≤2W	
Communciation Characteristics		
RS485 communication port	Modbus-RTU protocol or DL/T645 protocol optional, baud rate up to 38400bps.	
Multi-functional output interface		
Energy pulse	Pulse width 80ms±20ms	
Real-time clock		
Error	≤0.5s/24h	
Mechanical Characteristics		
Dimension (mm)	72x90x63.5	
IP protection	Front case: IP54,rear case IP20	
Environmental Charactgeristics		
Working temperature	(-40~70)℃	
Storage temperature	-40~70)℃	
Relative humidity	(5-95)%(no condensation)	
Altitude	≤2000m	
Comply to standards		
GB/T 33708-2017	IEC61326-1	IEC61010-1
Certificate	CE	