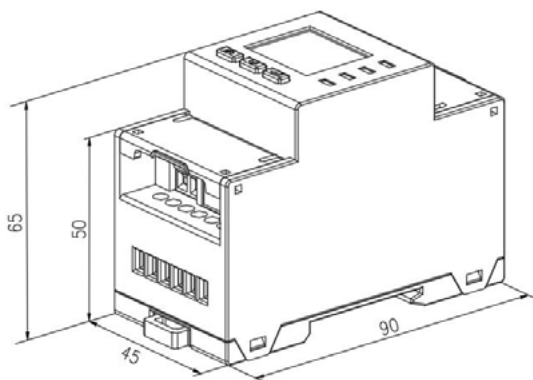


ADL External CT Meter

ADL series DIN-rail mounted multifunctional electric energy meter is an intelligent instrument mainly designed for new energy power generation systems such as photovoltaic grid-connected system, micro inverter system, energy storage system, AC coupling system, etc. The product has the advantages of high precision, small volume, high respondent speed and convenient installation. The product has the features of sampling, metering and monitoring power parameters, communicating with an inverter or an energy management system (EMS), realizing the functions of preventing reverse flow, regulating power generation, charging and discharging batteries according to real-time power and accumulated electric energy, and realizing bidirectional metering and household distributed photovoltaic energy management.

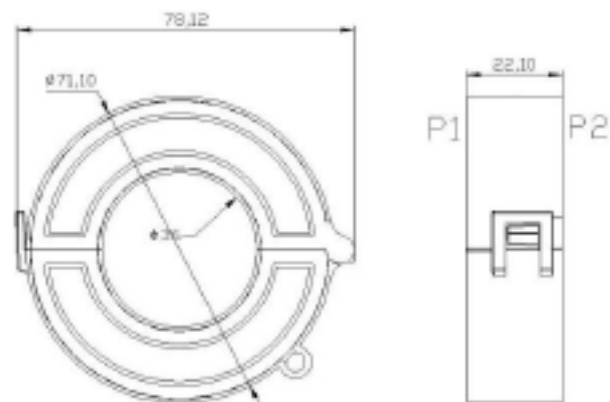


Overall Dimensions



ADL400N-CT

CT Dimensions (Unit: mm)



300A/100mA CT

Model Series			ADL400N-CT
Measurement	Grid		Three-phase four-wire, three-phase three-wire, single-phase three-wire
	Voltage	Rated voltage	Single-phase: 240/480V
			Three-phase:3×230/400V、 3×277/480V
		Overload	1.2 times rating (continuous) 2 times the rating for 1 second
		Power consumption	<0.2VA
		Accuracy class	Error ±0.5%
	Current	Input current	80A, 120A, 200A, 300A, 3×80A, 3×120A, 3×200A, 3×300A
		Overload	1.2 times rating (continuous) 2 times the rating for 1 second
		Power consumption	<0.2VA
		Accuracy class	Error ±0.5%
	Power		Active, reactive, apparent power, error ±0.5%
	Grid frequency		45~65Hz, error ±0.5%
	Response rate	≤100ms (voltage, current, power)	
		≤1s (electrical energy)	
Metering	Electric energy	Active energy : Class B (split current transformer) /Class C (closed current transformer) Reactive energy (Class 2 accuracy)	
electromagnetic compatibility			Electrostatic discharge immunity class III
			Electrical fast transient burst immunity class IV
			Surge (shock) immunity Class IV
Security	Power frequency withstand voltage		Between communication and signal input, AC4kV 1min
	Insulation resistance		Input and output terminals to casing >100MΩ
Communication	Interface and communication protocol		RS485 interface and Modbus RTU protocol
	Communication address range		Modbus RTU:1~ 247;
	Baud rate		Support 1200bps-38400bps
Environment	Operating temperature		-40℃~+70℃
	Storage temperature		-40℃~+70℃
	Relative humidity		≤95% (without condensation)
	Altitude		≤3000m