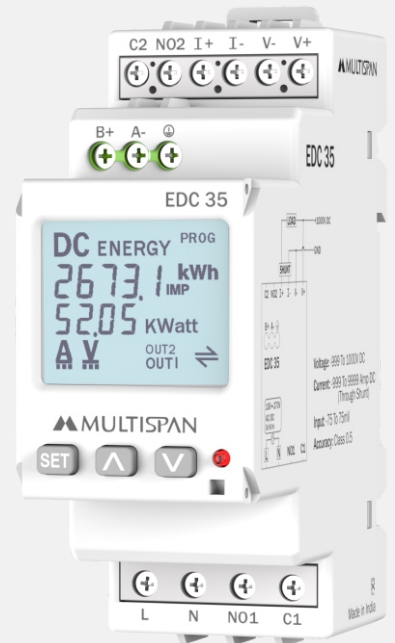




DC ENERGY METER

EDC 35

APPLICATIONS

Electrical Control Panel

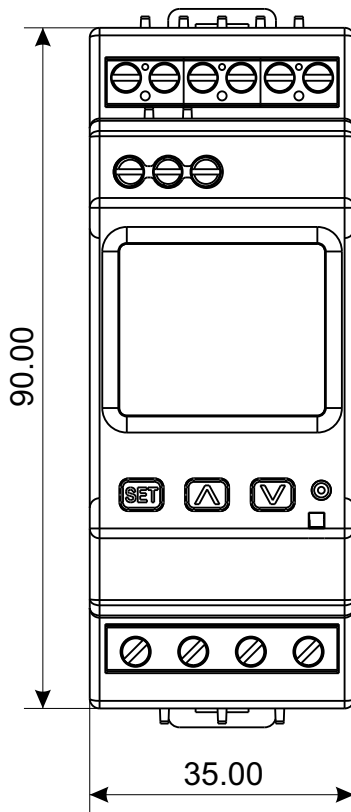
Instrumentation Panel

Solar Panels

EV Charging Station

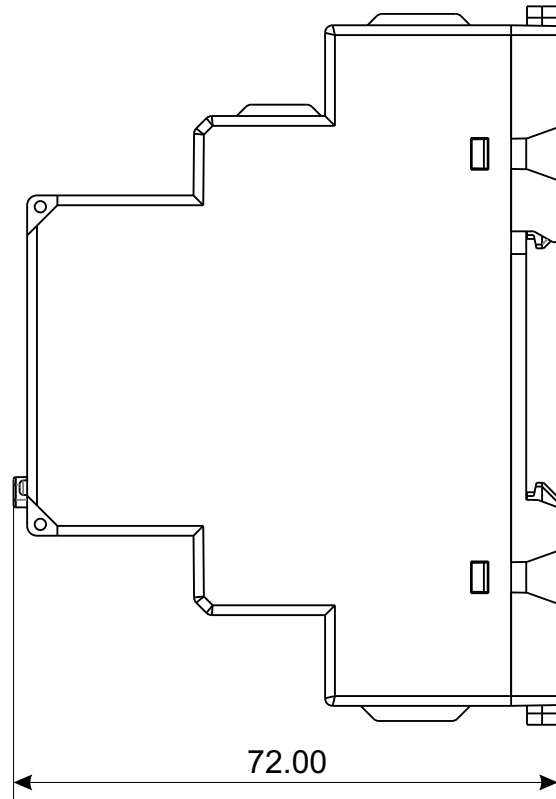
Mechanical Dimensions

Body Dimensions



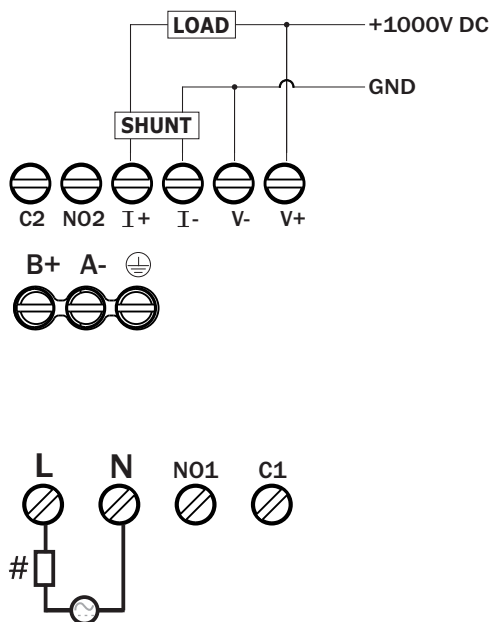
FRONT VIEW

All dimensions are in mm



RIGHT SIDE VIEW

Connection Diagram



TECHNICAL DATA

Input	
DC Voltage	-999 to 1000V AC
Primary Shunt Selectable	1 to 9999 Amp DC
Input Current	-75 to 75 mV DC Through Shunt
Calculated Parameter	DC Voltage, Ampere, Watt, kWh
Output	2 Relay, 1C/O (NO-C), 5Amp, 230V AC RS-485 Modbus
Accuracy	±0.5% of Full Range
Power Supply	100 to 270V AC/DC ,50/60Hz , 3VA

Input	
Voltage	
Direct Voltage DC	-999 to 1000V DC
Current DC	
Direct Current	Through External Shunt (-75 to 75mV DC)
Burden	<0.025VA
Starting Current	20mA (Depend on shunt selection)
Shunt Selectable	1 to 9999 Amp DC

Calculated Parameter		
	Range	Accuracy
DC Voltage	-50.0 - 49.99 V DC	0.5% Of 49.99 V
	-200 - 199.9 V DC	0.5% Of 199.9 V
	-400 - 399.9 V DC	0.5% Of 399.9 V
	-999 - 1000 V DC	0.5% Of 1000 V
DC Current	-999 to 9999A DC	
WATT	-999 to 9999 KW	
Total Energy	0 to 99999MWh	
Import Energy	0 to 99999MWh	
Export Energy	0 to 99999MWh	

Accuracy	
± 0.5 of Full Range	

Output	
Interface	RS-485
Baud Rate	2400, 4800, 9600, 19200, 38400, 115200
Parity	None, Odd, Even
Protocol	Modbus - RTU
Transmission Distance	500 Meter Maximum
Communication address	1 to 127

LCD Display & Keys		
LCD Display	Upper	5 Digit, 7 seg. 0.18" LCD Display
	Lower	4 Digit, 7 seg. 0.17" LCD Display
LED Indication	Impulse	
Key	SET, INC, DEC	

Auxiliary Power Supply	
Power Supply	100 to 270V AC/DC,50/60Hz
Power Consumption (VA Rating)	3VA

Environmental Characteristics

Humidity	95% RH Non-condensing
Working Temperature	0 to 55 °C
Storage Temperature	0 to 55 °C
Warm up Time	5 minutes

Mechanical Characteristics

Mounting Type	DIN Rail Mount	
Dimension (HxWxD) mm	90 x 35 x 72	
Material	Body	Polycarbonate (PC)
Terminal Screw Size	M3	
Screw Torque (N.m)	0.5	
Wire Guage (AWG)	28-12	
Weight (Approx) gms	Unpacked : 160 Packed : 190	