

INTRODUCING DC21

DC Energy Meter - DIN Rail





EM DC 6000



EM DC 6001



EM DC 6002





Launch of “DC21 Mod”

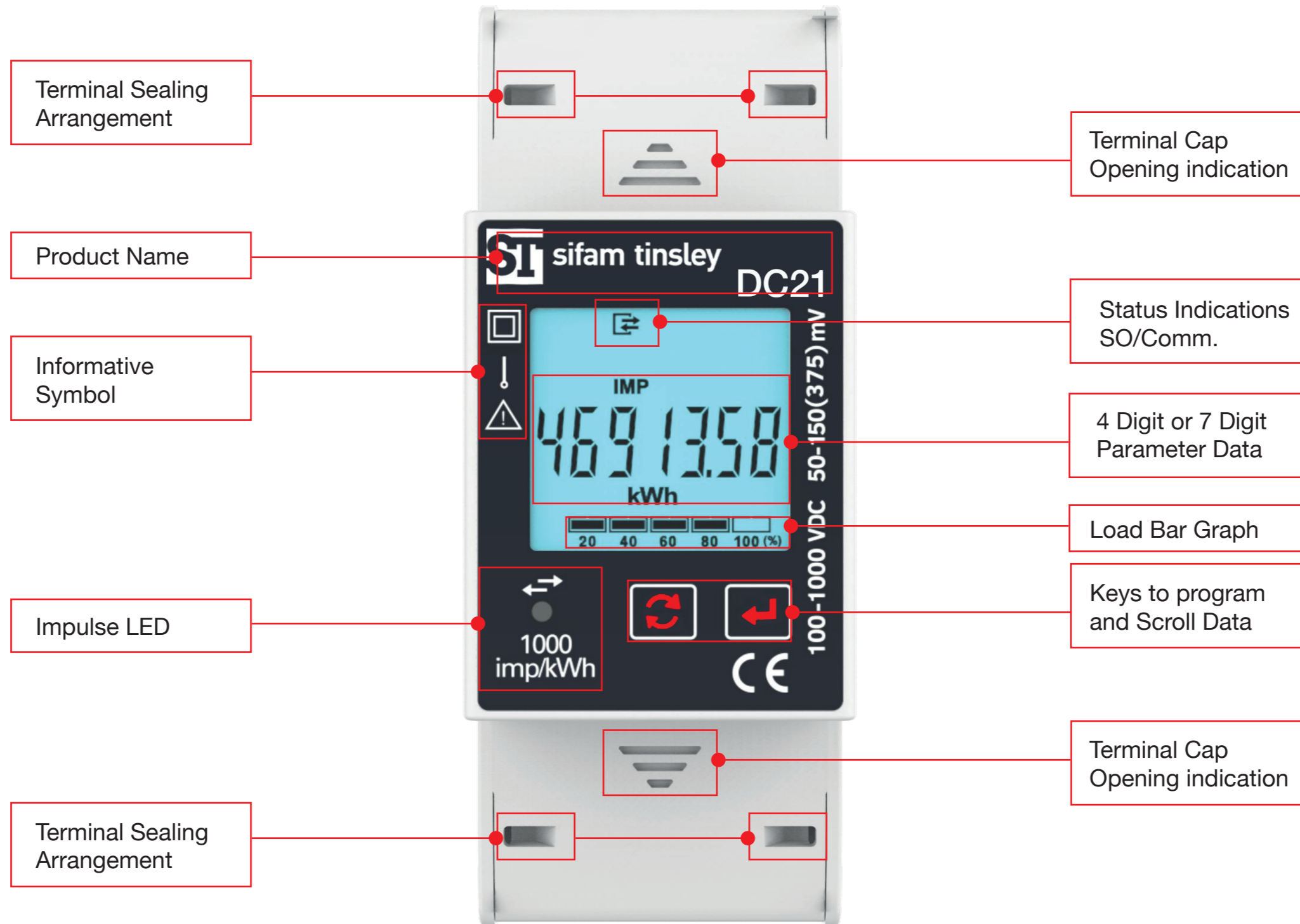
DIN Rail Single Channel DC Energy Meter

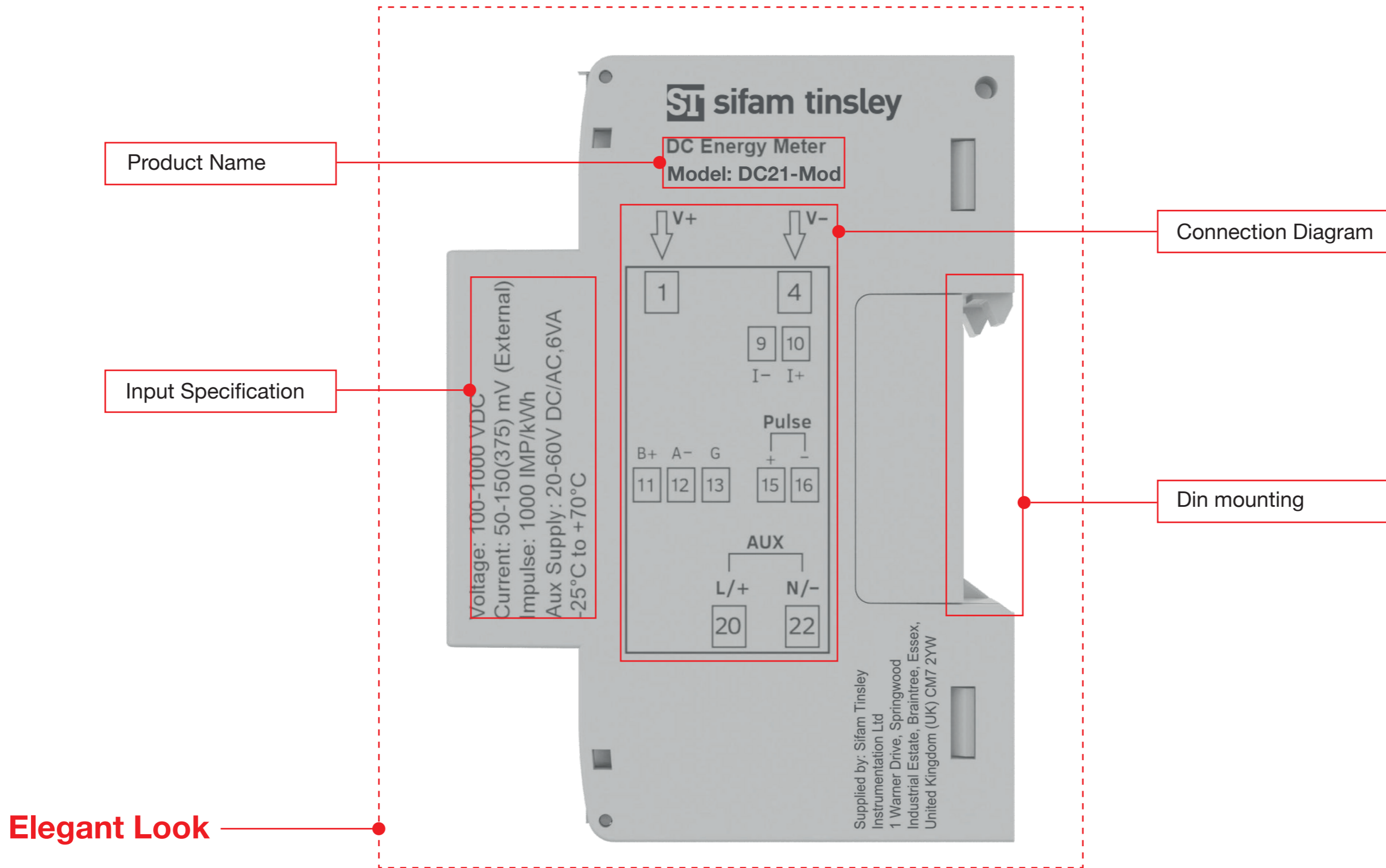
Compact in Size, Powerful in Performance

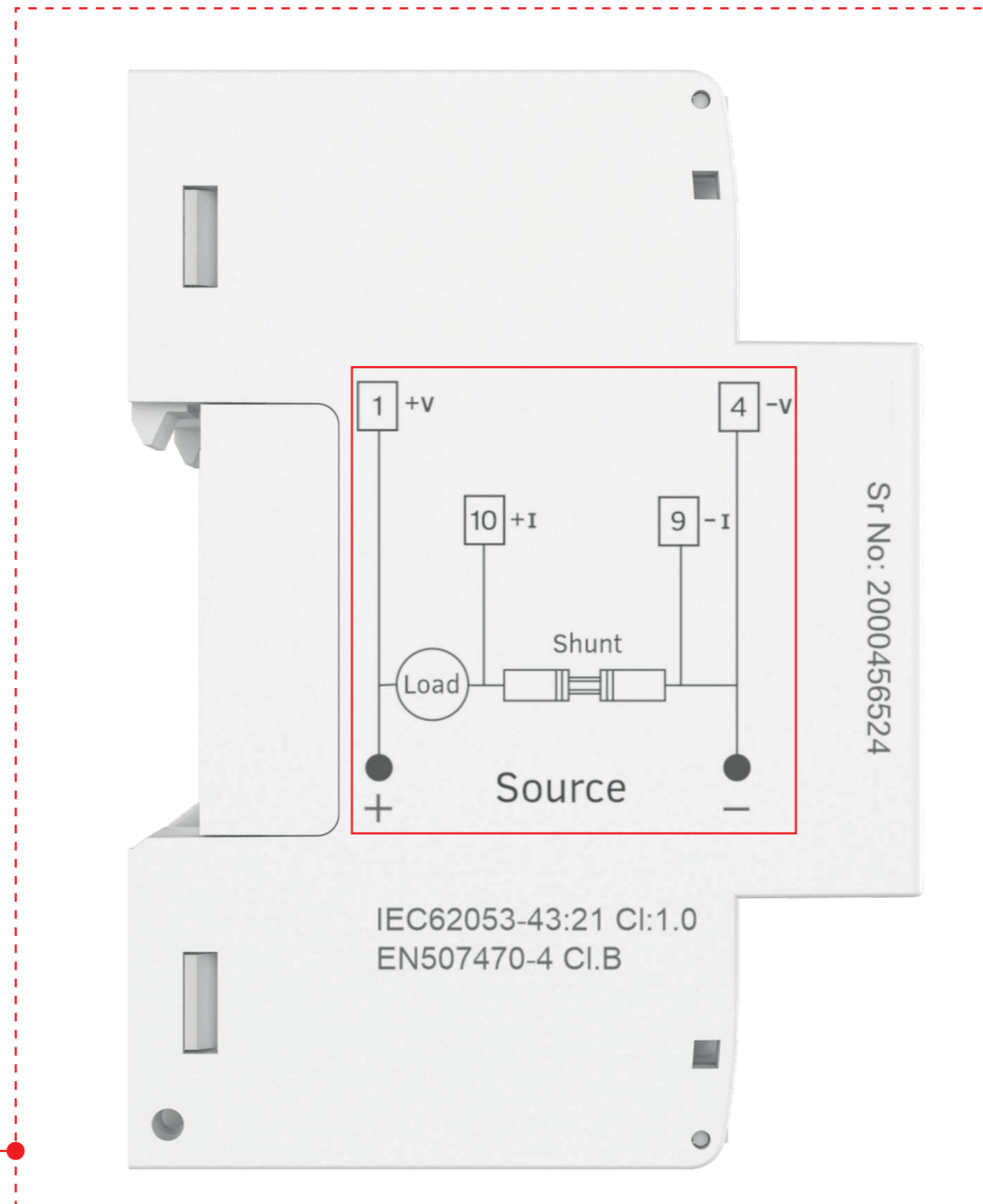


DC21 Mod
(DIN Rail Single Channel DC Energy Meter)

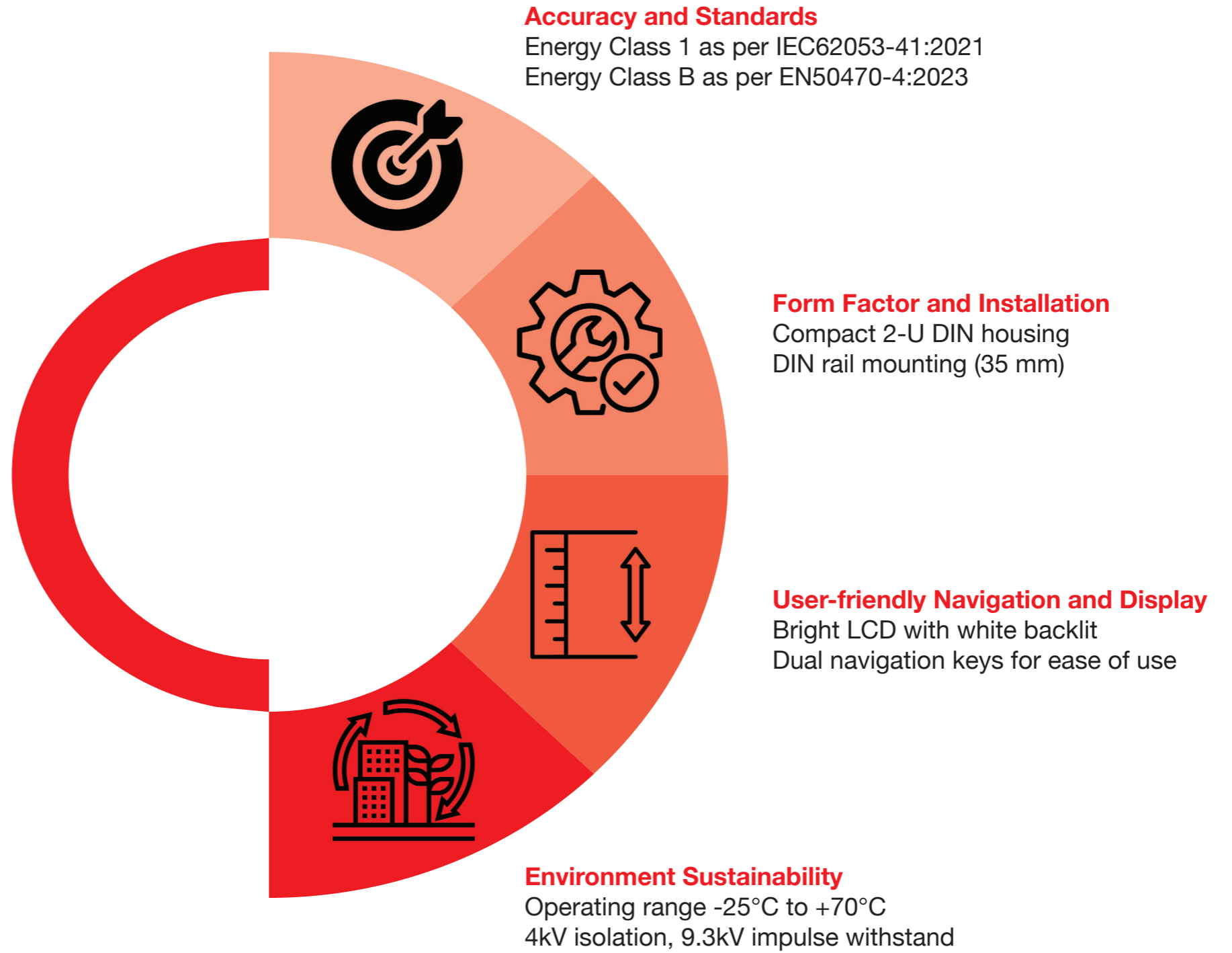
FRONT VIEW OF DC21 MOD







Elegant Look —●





Feature	EM DC6000	EM DC6001	EM DC6002	DC21 Mod
Form Factor	Panel Mount (96×96 mm)	Panel Mount (96×96 mm)	Panel Mount (96×96 mm)	DIN Rail, 2U (35 mm width)
Channels	1 Current Channel	4 Current Channels (up to 4 loads)	4 Current Channels (up to 4 loads)	1 Current Channel
Voltage Range	10 – 1000 V DC (3 ranges: 10–60V, 61–200V, 201–1000V)	10 – 1000 V DC (3 ranges: 10–60V, 61–200V, 201–1000V)	10 – 1000 V DC (3 ranges: 10–60V, 61–200V, 201–1000V)	5 – 1000 V DC
Current Range	1–20,000A (via external shunt, 50–150mV)	1–20,000A (via external shunt, 50–150mV)	1–20,000A (via external shunt, 50–150mV)	5–2000A (via external shunt, 50–150 mV)
Display	1-line, 8-digit LED	4-line, 8-digit LED	4-line, 8-digit LED	LCD with white backlit, bar graph & symbols
Energy Accuracy	Class 0.5	Class 1	Class 1	Class 1/B (IEC 62053-41:2021) (EN50470-4:2023)
Relay Outputs	Optional (2R)	Optional (up to 4 relays)	Optional (up to 4 relays)	X
Data Logging	√	X	√	X
Pulse Output	√	√	√	√



01



Input / Aux Voltage

Nominal Voltage: 100-1000 VDC
Measurement Voltage: $\pm 5\%$ to 110% U_n
Aux. Voltage: 20...60V AC/DC

02



Input Current

Nominal Current: 5-2000A (Vai Ext. Shunt)
Shunt Setting Range: 50 to 150mV
Measurement Range: $\pm 0.4\%$ to 100% I_n

03



Accuracy

Voltage: $\pm 0.5\%$
Current: $\pm 0.5\%$
Power: $\pm 1.0\%$
Energy: $\pm 1.0\%$

04



Environmental Conditions

Operating temp.: -25°C to $+70^{\circ}\text{C}$
Storage temp.: -40°C to $+70^{\circ}\text{C}$
Relative humidity: 0-95%

05



Pulse Output/RS485

SO: Passive Opto-isolated
Contact Ranges: 5-27VDC, 27 mA DC (max)
Protocol: RS485 MODBUS
Baudrate: 2.4 to 57.6kbps

06



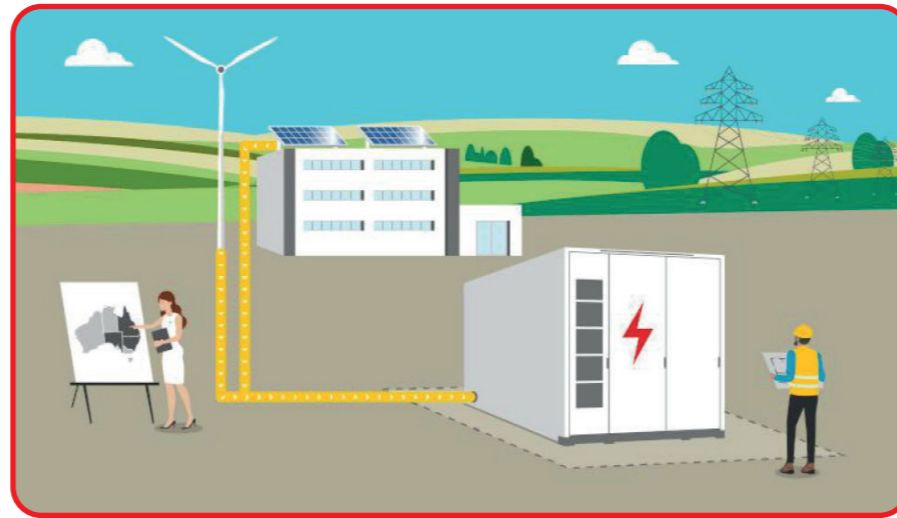
Standards Compliance

Accuracy Std: IEC 62053-41:2021
 EN 50470-4:2023
EMC: IEC 61326-1:2012,
 Table 2
Safety: IEC 61010-1:2010
Pollution degree: 2
Installation category: II

Model	Auxiliary Supply Voltage
DC21 Mod	20-60V AC/DC
DC21 Mod	60-300V AC/DC



EV Charging Stations



Battery Energy Storage Systems (BESS)



Solar PV Systems

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