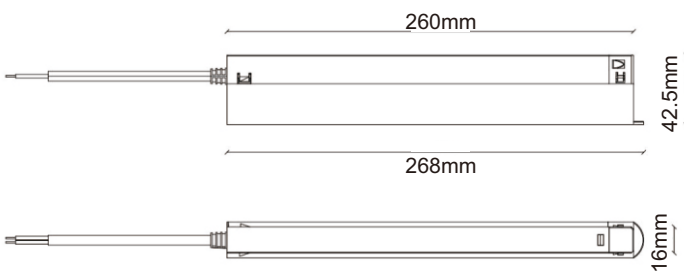


EMT20-CV250/48V



Dimension



Product Features

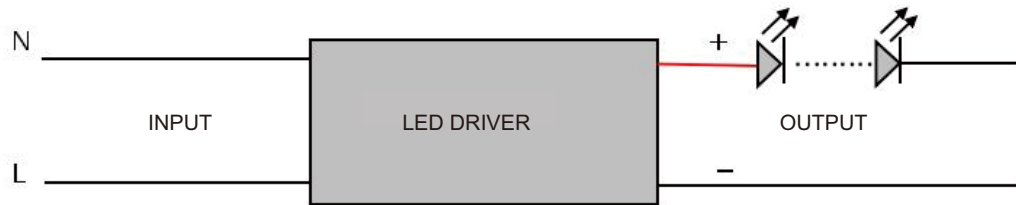
- IP20
- Constant voltage design: 48V
- Output Type: Constant Voltage
- Dimming Type: N/A
- Output Features: Isolation
- Insulation Class: Class II
- Built in active PFC function, PF≥0.95
- 5 years warranty

MODEL	Rated Input Voltage	Input Power	Input Current	PF	Output Power Range	Output Voltage	Output Current	Efficiency
EMT20-CV250/48V	220-240VAC	≤275W	≤1.5A	≥0.95	0-250W	48V	0-5.21A	≥90%

MODEL	EMT20-CV250/48V	
INPUT	Rated Input Voltage	220~240VAC
	Range of Input Voltage	176-264VAC
	Frequency Range	50/60HZ
	Input Current	≤1.5A
	Input Power	<275W
	Power Factor	PF≥0.95/230VAC
	THD	≤10% (230VAC, full load)
	No load power consumption	No load power consumption <0.5W
	Inrush current	≤80A/200us (230VAC, full load)
	Connected quantity of 16A Breaker	7pcs/type B ; 13pcs/type C @ 230Vac
OUTPUT	Output Voltage	48VDC+/-3%
	No Load Voltage	49.5VDC Max.
	Output PW/M Frequency	N/A
	Output Current	0-5.21A
	Max. Output Power	250W
	Efficiency	≥90% (48V), ≥88% (24V) (230VAC, full load)
	Voltage Ripple	<5% (Vmax-Vmin) / (Vmax+Vmin)
	Start up Time	≤0.5S (230VAC, full load)
Control Method	PWM dimming	N/A
	1-10V (0-10V) dimming	N/A
	Resistance dimming	N/A
	Dimming range	N/A

Protection	Short Circuit Protection	Auto Recovery
	Overload Protection	Auto Recovery
	No-load Protection	Auto Recovery
	Insulation voltage	I/P to O/P, 3.0kVac/5mA/1min
	Insulation resistance	≥100M ohm @ 500VDC
	Leakage current	I/P to O/P < 250μA@230AC input
Environment	Working Temp.	-25°C ~+50°C
	Ts/Storage Temperature	-40°C ~+85°C
	Tc/Enclosure Temperature	90°C
	Humidity	10% ~90% RH
	Atmosphere	86-108KPa
Construction	Connection Method	Independent
	PRI Wire preparation	0.75-1.5
	SEC Wire preparation	N/A
	Dimension	268*22*44mm (L*W*H)
Standards	Certification	
	Safety Standards	EN61347-1:2015,EN61347-2-13:2014/A1:2017,EN62493:2015, AS61347.2.13:2018,AS/NZS61347.1:2016 Inc A1
	EMC Standards	EN55015:2013/A1:2015,EN61000-3-2:2014,EN61000-3-3:2013, EN61547:2009
	Performance	EN62384
	Surge	L-N& L/N-PE:2KV
Others	RoHS	2011/65/EU
	Life Time	50000h @230VAC Full load(End of Life: Failure Rate<10%/@ 230VAC)
	Warranty	5years , F.R. < 10000ppm
	Packing	0.334kg; 30pcs/11.8kg/447*240*200mm

Wiring Diagram



- All connections must be kept as short as possible to ensure good EMI behaviour
- Mains leads should be kept apart from LED Driver and other leads (ideally 5 – 10 cm distance)
- Advice the maximum length of output wires is 3 M
- Secondary switching is not permitted(Except for constant voltage)
- Incorrect wiring can damage LED modules
- The wiring must be protected against short circuits to earth (sharp edged metals parts, metal cable clips, louver, etc.)