

- Nominal input voltage 24V (48V)
- Output voltage 12V (24V, 48V, 220V) / 200W output power
- Galvanically isolated output 2.5kV
- High efficiency, up to 90%
- Overvoltage and undervoltage protection
- LED signalization, output voltage trim
- Mounting type: DIN rail



The TIC200.H DC/DC converters convert 24V (48V) input voltage to 12V (24V, 48V, 220V) output voltage with galvanic separation. DC/DC converters are equipped with a local LED indication located on the front panel. There is possibility of output voltage trimming (see specification table).

Model specification:

- TIC200.H ZZ_XXYY – H = DIN rail, ZZ = nominal input voltage, XX = nominal output voltage, YY = maximum output current.

Installation position is on a horizontal DIN rail, venting slits are above and below. Input and output connections are via 6mm² screw terminals on the top. Output terminals are doubled.

MODEL SPECIFICATION	TIC200.H 24_1213 24V/12V(13A)	TIC200.H 24_2408 24V/24V(8A)	TIC200.H 24_4804 24V/48V(4A)	TIC200.H 24_22001 24V/220V(0.6A)	TIC200.H 48_1214 48V/12V(14A)	TIC200.H 48_2408 48V/24V(8A)	TIC200.H 48_22001 48V/220V(0.6A)
Input voltage	24V(18 - 35V)	24V(20-28V)	24V(20-35V)	24V(18-35V)	48V(42-72V)	48V(42-72V)	48V(42-72V)
Output voltage / current	12V(10-14V)/13A	24V(22-28V)/8A	48V(44-56V)/4A	220V(210-230V)/0.6A	12V(10-14V)/14A	24V(22-28V)/8A	220V(210-230V)/0.6A
Output power	180W	224W	224W	138W	196W	224W	138W
Efficiency	83%	84%	86%	86%	88%	90%	85%
Insulation strength	min. 2500V	min. 2500V	min. 2500V	min. 2500V	min. 2500V	min. 2500V	min. 2500V
Operating temperature	-25 - +50°C	-25 - +50°C	-25 - +50°C	-25 - +50°C	-25 - +50°C	-25 - +50°C	-25 - +50°C
Output voltage stability	1%	1%	1%	1%	1%	1%	1%
Local signalization	LED	LED	LED	LED	LED	LED	LED
Remote signalization	-	-	-	-	-	-	-
Air flow	forced	forced	forced	forced	forced	forced	forced
Short circuit protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Overtemperature protection	85°C	85°C	85°C	85°C	85°C	85°C	85°C
Overvoltage protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Undervoltage protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Mounting type	DIN rail	DIN rail	DIN rail	DIN rail	DIN rail	DIN rail	DIN rail
Dimensions W x H x D (mm)	105x126x88	105x126x88	105x126x88	105x126x88	105x126x88	105x126x88	105x126x88
Weight (kg)	0.6kg	0.6kg	0.6kg	0.6kg	0.6kg	0.6kg	0.6kg
Degree of protection	IP20	IP20	IP20	IP20	IP20	IP20	IP20
Part No.	IP.1431.633.128	IP.1431.633.129	IP.1431.633.130	IP.1431.633.131	IP.1431.633.132	IP.1431.633.133	IP.1431.633.134