Power Supply

Power Supply

- Wide input voltage range: 85 to 264VAC/ 120 to 370VDC
- Operating temperature: -40 to +70°C
- 4000VAC high isolation pressure (input-output)
- Overvoltage Class III (EN61558)
- Low standby power consumption, High efficiency
- Low ripple and noise
- Output short circuit, overcurrent, overvoltage protection
- Input anti-overvoltage: 3000VAC input lasts 5S without damage

Technical Parameters

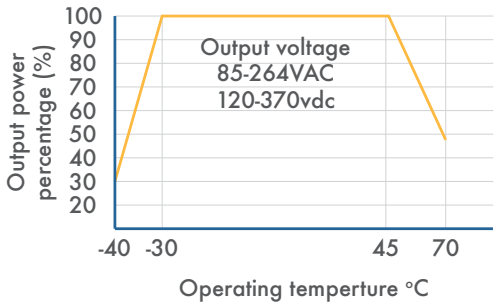
Item		Parameter
Output	DC Voltage	24V
	Rated current	2.5A
	Current range	0 to 2.5A
	Rated power	60W
	Ripple and noise	150mVp-p
	Voltage adjustment range	21.6 to 29V
	Voltage accuracy	±2.0%
	Line regulation	±0.5%
	Load regulation	±1.5%
Input	Voltage range	85 to 264VAC or 120~370VDC
	Frequency range	47 to 63HZ
	Efficiency (Typ.)	90%
	AC (Typ.)	1.2A/115VAC 0.8A/230VAC

Item		Parameter
Protection	Overload	>120% Io automatic recovery
		Protection mode: Hiccup, continuous short circuit, automatic recovery
	Overvoltage	≤36V
		Protection mode: Hiccup or output voltage clamp
Environment	Operating temperature	-40 to +70°C
	Operating humidity	95%RH Without condensation
Others	Dimensions	54mm(W) x 95mm(H) x 64mm(D)

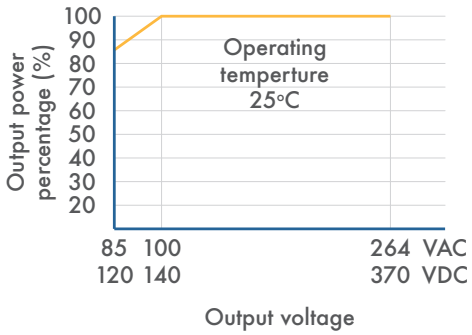
Chicony POWER TECHNOLOGY
Chicony Power Technology Co., LTD. +886-2-6626-0678 #56214 IST_Service@chiconypower.com
241 No.69, Sec. 2, Guangfu Rd., Sanchong Dist., New Taipei City, Taiwan

Installation Description

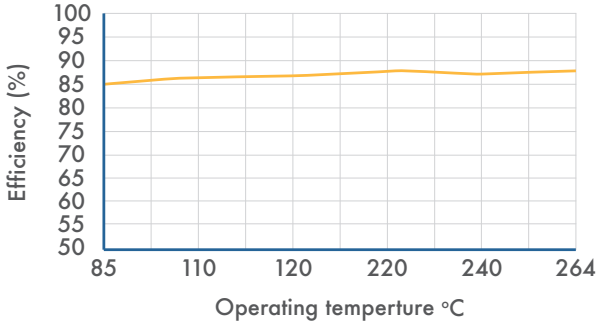
Temperture derating curve



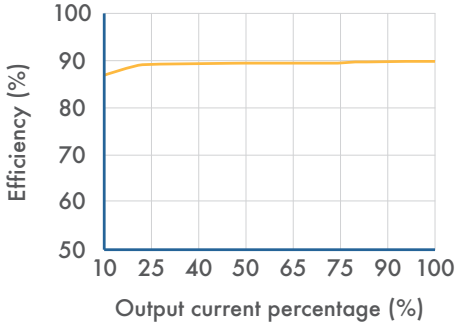
Input voltage derating curve



Efficiency Vs Output Voltage (Full loading)



Efficiency Vs Output load (Vin=230VAC)



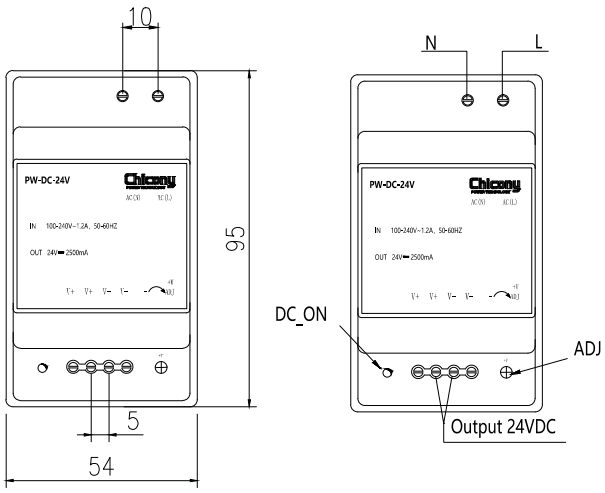
Installation Description

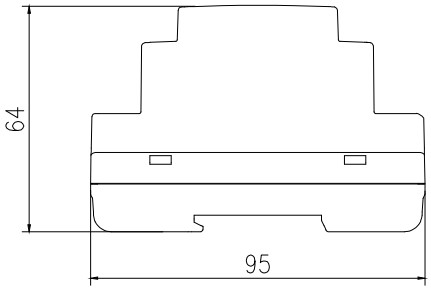
Please follow the instructions defining the terminal block pins on the equipment cover for wiring. The definition of the terminal block pins is shown in the following table. Please disconnect the circuit to prevent electric shock before wiring. Check whether the power supply is within the range of the required voltage before supplying the power for the equipment. The power supply shall not exceed this range, otherwise the module may burn. The installation and placement of the power supply shall avoid direct exposure of sunlight and be protected against moisture and rain.

PW-DC-24V Definition of Terminal Pins

Pin Number	Pin Function
1	AC(L)
2	AC(N)
3	V+
4	V+
5	V-
6	V-

Dimensions and Wiring Diagram





Remark: Unit:mm/ ADJ:Output voltage adjustment knob/ Wiring dimension:24-12AWG/ Tightening torque:Max 0.4 N/m/ Din-Rail type:TS35 /Unmarked tolerance:±1.00 (±0.039)