

Meanwell 1000W 1U Rack Power System

Mean Well, a leading global switching power supply manufacturer, supplies more than 2500 standard models to offer reliable solutions to various power requirements from automation, communication, medical, moving sign, and office automation fields.

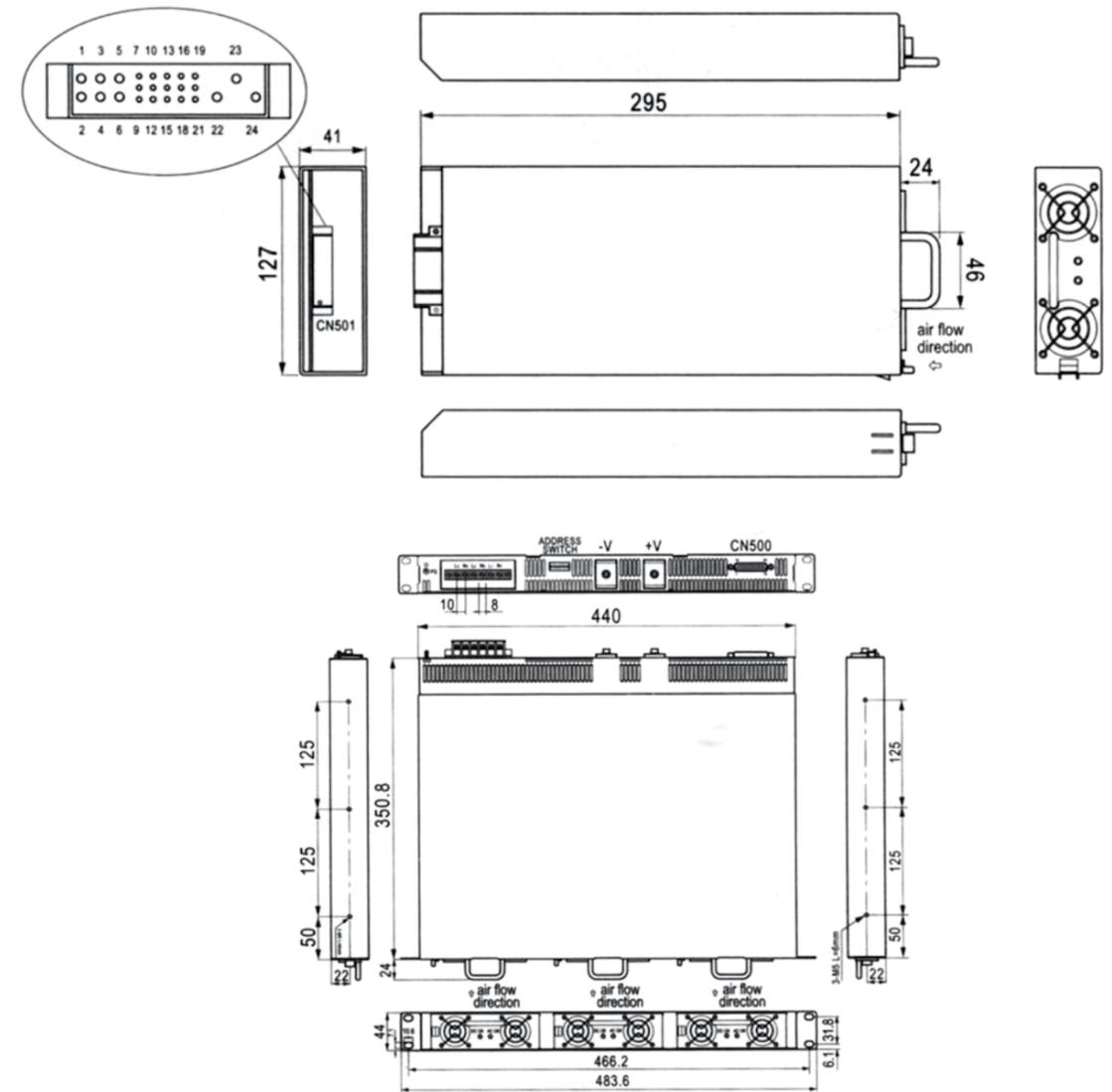
Mean Well Rack Power System is widely used to power up equipments mounted in a 19" cabinet due to the level of convenience that the system is able to provide. Provided with forced air cooling by built-in DC fan, the reliable power system offers protections against short circuit, overload, over voltage and over temperature, all packed into a low profile of 1U rack space.

Features

- Universal AC input/Full range
- Built-in 5V/0.3A standby power
- Built-in active PFC function, PF>0.96
- Protections: Short circuit/Overload, Over voltage/Over temp
- Force air cooling by built-in DC fan
- High power density 10.7W/in³
- 1U low profile
- Output voltage can be trimmed between 90 ~ 110% of the rated output voltage
- Active current sharing up to 3000W (3 units) in one 19" rack, 3 racks max. can be operated in parallel (up to 8 units)
- Remote control for single unit
- Built-in remote sense function
- Hot-Swap operation
- Internal oring diode
- AC OK and DC OK signal output
- Optional I²C serial data bus
- 3 years warranty

AC input voltage range	90~264VAC
DC adjustment range	±3% rated output voltage
Overload protection	105%~125% constant current limiting, auto-recovery
Over voltage protection	110%~135% rated output voltage
Setup, rise, hold up time	1000ms, 60ms 16ms at full load and 230VAC
Withstand voltage	I/P-O/P:3k VAC, I/P-FG: 1.5k VAC, 1 minute
Working temperature	-20~50°C @100%, 60°C @60%
Safety standards	UL60950-1, TUV EN60950-1 approved
EMC standards	EN55022 Class B, EN61204-3, EN61000-3-2, EN61000-4-2, 3, 4, 5, 6, 8, 11, EN50204, EN61000-6-2 heavy industrial level
Packing	1.91kg (single unit) ; 11kg (rack with 3 units)

Meanwell 1000W Technical Drawings



Model No.	Output	Tol.	R&N	Effi.
RCP-1000-12	12V, 0~60A	±1%	150mv	81%
RCP-1000-24	24V, 0~40A	±1%	200mv	87%
RCP-1000-48	48V, 0~21A	±1%	300mv	89%

19" 1U rack for RCP-1000 series
RCP-1U □ □"= I: AC inlet; T: terminal block