



Features:

- Universal AC input / Full range
- Built-in active PFC function
- High efficiency up to 90%
- Forced air cooling by built-in DC fan
- Built-in remote control switch
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Dampproof function
- 3 years warranty

Specification

MODEL		CLP-2000-24	CLP-2000-48	
INPUT	VOLTAGE RANGE	90-264VAC		
	FREQUENCY RANGE	47-63Hz		
	POWER FACTOR(Typ.)	0.95/220VAC		
	EFFICIENCY(Typ.)	90.5%	92%	
	AC CURRENT(Typ.)	15A/220VAC		
	INRUSH CURRENT(Typ.)	40A/220VAC		
	LEAKAGE CURRENT	<3.5mA/240VAC		
OUTPUT	DC VOLTAGE	24V	48V	
	RATED CURRENT	84A	42A	
	CURRENT RANGE	0-84A	0-42A	
	RATED POWER	2016W	2016W	
	RIPPLE&NOISE (max.)	240mVp-p	240mVp-p	
	VOLTAGE TOLERANCE	≤±1%	≤±1%	
	LINE REGULATION	≤±1%	≤±1%	
	LOAD REGULATION	≤±2%	≤±2%	
	SETUP, RISE TIME	3000ms,60ms/230Vac at full load		
	HOLD UP TIME(Typ.)	8ms/220Vac at full load		
PROTECTION	OVER LOAD	Protection type: Shutdown, recovers automatically after repower on		
	OVER VOLTAGE	Protection type: Shutdown, resume after restart		
	OVER TEMPERATURE	Protection type: Shutdown, recovers automatically after temperature goes down		
FUNCTION	Auxiliary Power Supply	5V @ 0.5A		
	REMOTE CONTROL	Power start: short circuit, Voltage Close: Open Circuit, please refer to the functional manual		
ENVIRONMENT	WORKING TEMP	-20~ +60°C(Refer to "Derating curve")		
	WORKING HUMIDITY	20-90% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-40~+85°C, 10-95% RH		
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)		
	VIBRATION	5 ~ 9 Hz, amplitude 3.5 mm, 9 ~ 200 Hz, acceleration 10 m/s 2,3 axial direction, sweep frequency vibration 5 times (3.50 minutes) in each direction, power supply is not damaged		
Safety and electromagnetic compatibility	Safety standards	Refer to UL62368-1, CSA C22.2 No. 62368-1, TUV BS EN/EN62368-1, BSMI CNS14336-1, AS/NZS62368.1, EAC TP TC 004		
	Withstand voltage and isolation resistance	I/P-O/P:	3KVac / 100MΩ / 500Vdc / 25°C / 70%RH	
		I/P-FG:	2KVac 100MΩ / 500Vdc / 25°C / 70%RH	
		O/P-FG:	0.5KVac 100MΩ / 500Vdc / 25°C / 70%RH	
	Electromagnetic compatibility emission	Parameter	Standard	Test Level / Note
		Conducted	BS EN/EN55032(CISPR32)	Class A
		Radiated	BS EN/EN55032(CISPR32)	Class A
		Harmonic Current	BS EN/EN61000-3-2	Class A
		Voltage Flicker	BS EN/EN61000-3-3	-----
	Electromagnetic compatibility immunity	BS EN/EN55035, BS EN/EN61000-6-2, BSMI CNS13438		
		Parameter	Standard	Test Level / Note
		ESD	BS EN/EN61000-4-2	Level 3, 8KV air ; Level 2, 4KV contact
		Radiated	BS EN/EN61000-4-3	Level 3
		EFT/Burst	BS EN/EN61000-4-4	Level 3
		Surge	BS EN/EN61000-4-5	Level 4, 4KV/Line-Earth ;2KV/Line-Line
Conducted		BS EN/EN61000-4-6	Level 3	
Magnetic Field		BS EN/EN61000-4-8	Level 4	
Voltage Dips and Interruptions		BS EN/EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods	

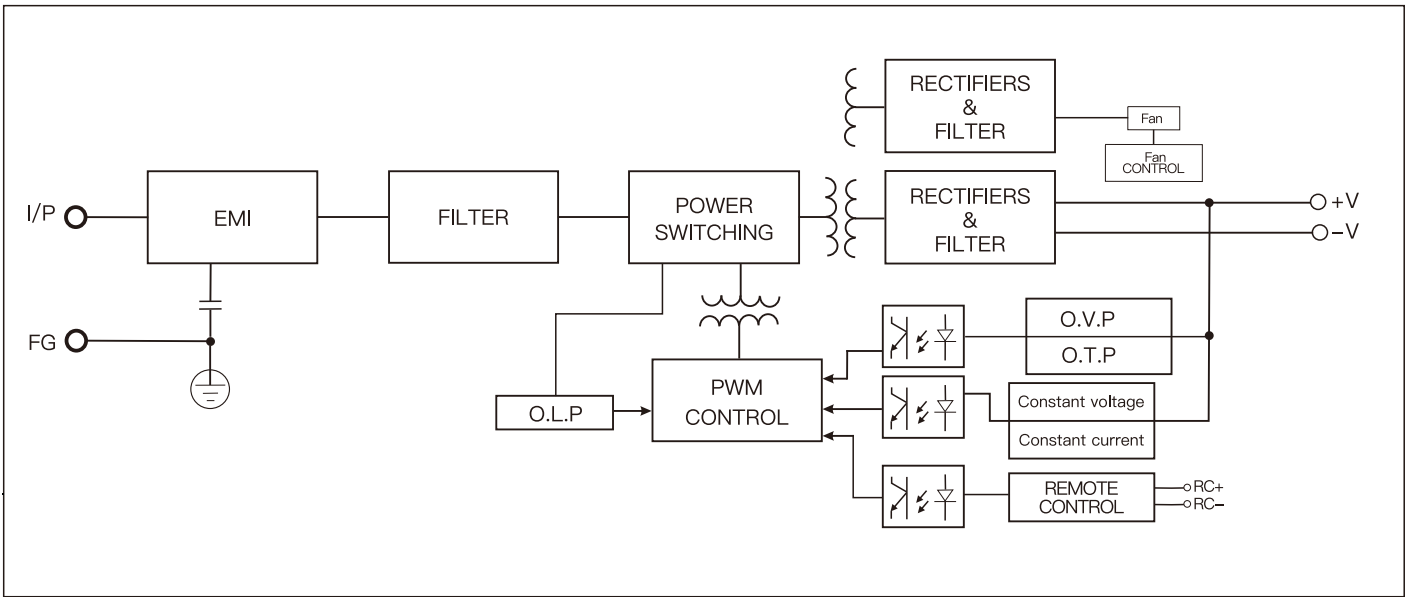
OTHERS	MTBF	100000H
	DIMENSION	295*127*41mm
	PACKING	
NOTE	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.</p> <p>3. Tolerance: includes set up tolerance, line regulation and load regulation.</p> <p>4. Under the condition of low voltage input, please refer to the Derating curve.</p> <p>5. The ambient temperature derating of 5°C/1000m is needed for operating altitude great than 2000m(6500ft).</p> <p>6. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives..</p>	

Mechanical specification

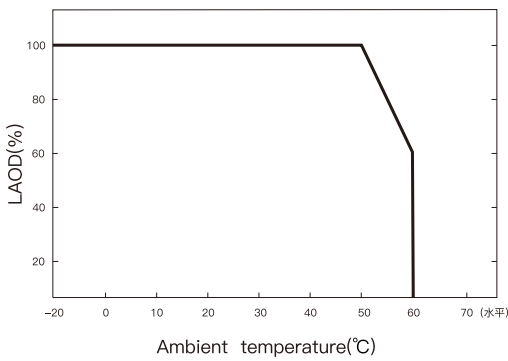
NOTE:
Unit: mm
TOL: ±1.0
J23 two pin plus short-circuit cap, short-circuit power output;
J9 and J23 two terminals can only choose one control power switch;

	Pin No.	Assignment
TB1	1	FG
	2	AC/L
	3	AC/N
J1		DC output -V
J2		DC output +V
CN1 CN2	1	ON-OFF
	2	5V-AUX
	3	G-AUX
J23	4	-S
		ON-OFF

Block diagram



Derating curve



Static characteristics

