

High power, Continuous 350W Peak 600W

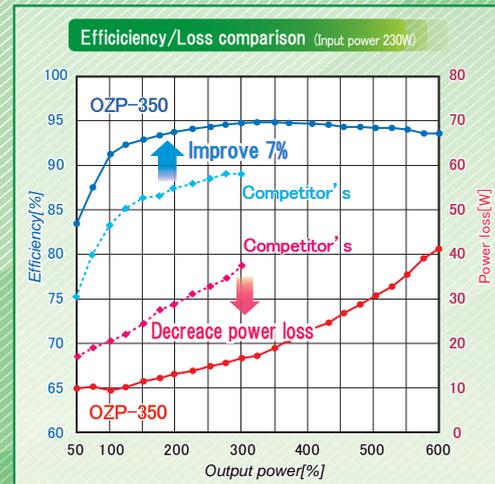
Ultra-High efficiency, AC-DC PCB switching PSU

Achieving 80 Plus Platinum level

350W type available in AC-DC switching power supply of board type. It is equivalent size to 300W power supply in competitors but outputting 350W continuous possible with the type of power supply with more than 24V.

Moreover, OZP-350 series boasts the highest efficiency even in high efficient OZP series and reaches up to 95%.

Please also consider of replacing it from unit type power supply for large capacity since it has 600W at peak.



New!!

OZP-350 series

Max power: 350W (Natural air cooling)
500W (Forced air cooling)

Peak power: 600W

Ultra-high efficiency 95%* typ
5V standby output available
High peak power
Parallel operation
Life expectancy min 10 years

* Measured in house with 24V output, 230VAC and 350W load

Ultra-high efficiency

Ultra-high efficiency 95%*typ*

* Measured in house with 24V output, 230VAC and 350W load

High power

600W high peak power

OZP-350 series is equivalent size of 300W power supply in competitors but outputting 350W continuous possible. Moreover, peak power gives 160% of rated power.

Extensibility

Parallel operation available

Current balance circuit is equipped and parallel operation is easily possible.

Low noise

Low noise & Low leakage current

Conducted emission VCCI Class B easily passes without external noise filter. It reflects the cost reduction for preparing the PC board at the user's side. Also leakage current is low 0.06mA at 100VAC and 0.12mA at 200VAC.

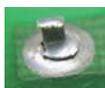
High reliability

Double-sided PCBs with through-holes

With double-sided PCBs with through-holes suitable to industrial use adopted, solder cracks will be gone even in lead-free process. Also achieves higher efficiency to use epoxy-glass board that is less affected by aging variation.



*image



Solder Crack

For instantaneous power failure measure

Corresponds to the capacitor package as for instantaneous power failure measure

Capacitor package protects the system from instantaneous power failure.

Capacitor package "BS13A-EC400/422F"



ECO

Achieving the low standby electricity at removing "OFF" switch.

The noise occurred by plus loads as LED display can be reduced with this board. Achieving the reduction of electrical power rate, CO₂, and power consumption at standby mode. As measured example: at AC100V input at 0.06W/typ/AC200 input 0.2W/typ

Other features

◆ **Output voltage remote sensing function**

Detects output voltage by connecting the sensing wire to the load end, and compensate for the line drop as occurred by output cable. (+ side line drop)

◆ **Noise reduction circuit**

The noise occurred by plus loads as LED display can be reduced with this board.

◆ **Blackout detection signal equipped**

Blackout detection signal is equipped. Cost to produce detection board can be eliminated.

◆ **Output voltage settable resistor equipped as standard**

◆ **Selectable Chassis or Cover**

◆ **Output ON/OFF control function**

◆ **Build in over current timer latch board available**



Complying with medical standard and acquisition models

Releasing "mOZP-350 series" soon!!

Product specification

Model name(OZP-350-)	12	24	36	48
Output voltage	12V	24V	36V	48V
Max. current/power (Natural air cooling)	25A	14.6A	9.8A	7.3A
	300W	350.4W	352.8W	350.4W
Max. current/power (Forced air cooling)	36A	21A	14A	10.5A
	432W	504W	504W	504W
Peak current/power (10s)	42A	25A	16.7A	12.5A
	504W	600W	601W	600W
Min. current	0A	0A	0A	0A
Input voltage	AC85V ~ 264V(PFC, Worldwide range input voltage)			
WxHxD(mm)	95x44x222(Borad mounted type)			
Safety standard	UL/CSA/IEC60950-1 acquisitions scheduled, Complying with medical standard IEC60601-1 and acquisition models joins in our lineup.			

Corresponding 5V standby power supply board

- ◆ By attaching OZP, outputting 5V standby possible.
- ◆ It is possible to be attached remoting On/Off switch on power supply. Saving cost and downsizing possible by taking the filter and rectifier bridge rather than providing the standby power supply separately.
- ◆ Reducing the power consumption possible at light load and meeting ErP directive Lot 6.

PS-10WP-5VSB



- Output 5VSB(1.5A/peak 2A)
- Size(WxHxD) 31x25x100 mm

