



## S400

PFC programmable Power supply  
High efficiency wide input voltage  
100V~240VAC Input  
6V~15V DC Output  
0~25Amps, 400W max.



**T**hanks for your purchasing the PFC power supply.

**R**ead the ENTIRE instruction manual to become familiar with the features/functions of the device before operating.

**F**eel free to send an email to [jasonwang3a@163.com](mailto:jasonwang3a@163.com) or call at 86 755 2643 6165 should you have any questions and suggestions.

Jason Wang



CHARGER Y

# S400

High efficiency wide input voltage  
PFC programmable Power supply  
100V~240VAC input  
6V~15VDC output  
25Amps 400W max.

## Features

**S400** is one of PFC power supply S series, high efficiency and wide input voltage range, large scale output voltage adjustment, and smaller size. S400 can output 15V 25A 400W at AC100V~240V, and the internal temperature is still under 75°C. The following are many new features:

- **Active PFC:** smaller AC input current less interference, and Conform to European Commission Regulation no 278/2009 and Energy Star Version 2.0
- **AC100-240V** worldwide use: need not any alternative switcher, worldwide safe operation
- Up to **92%** of convert efficiency
- Programming output voltage from 6 to 15V, suitable for more application
- Digital display output voltage and current on time
- Over current, over voltage, over load and over temperature protection, and resume automatically
- Short-circuit protection on output, safer and more reliable
- Intelligent cooling fans turned on at over 45°C
- 2 outputs can do more chargers simultaneously
- Synchronous Rectification make sure the high efficiency and smaller size
- Start at no load or full load perfectly
- Approved by CE
- 12 months warranty

## Application

- RC model
- Home application

## Environment Requirements

- Ambient Temperature : -10 ~ 45°C
- Ambient Humidity : 5% ~ 95%
- Storage Temp. : -20°C ~ 70°C
- Storage Humidity : 30% ~ 90%

## Input

- Rated Voltage : AC110 / 220V
- Voltage allowed : AC100 ~ 240V
- Rated Freq. : 50/60Hz
- Freq. Allowed : 47~63Hz
- Max Current : 4.5A @100V, 2.0A @220V





CHARGER

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6V~15VDC output  
25Amps 400W max.

- Efficiency: 90% at 60% load and 220Vac input.
- Active PFC: PF>0.99 at 100VAC and 100% of load; PF>0.97 at 220VAC and 100% of load

## Output

- Rated Voltage :6 ~ 15.0V programmed
- Voltage accuracy: ±1%
- Ripple voltage: 150mV.
- Rated Current: 0 ~ 25A



## Protection

- Over voltage protection and resume automatically, 15.2V max.
- Over current protection and resume automatically, 27A max.
- Over load protection and resume automatically, 400W max.
- Over temperature protection and resume automatically, 85°C max.
- Short- circuit protection on output and resume automatically.



## Mechanical Characteristics

- Size: 145\*106\*55 (L\*W\*H, mm) or 5.7 \* 4.2 \* 2.16 (L\*W\*H, inch)
- Weight: 0.8Kg without input cable
- Output DC connector: 2 pairs 4mm gold banana female connector, each connector for **20A** maximal current.

## Operating Instructions

- Plug the unit into AC 110 / 220V outlet and turn on
- Adjust the output voltage according to your charger or load requirements
- Connect S400 to your charger



## Related parts

MODEL	DESCRIPTION	COMMENTS
<a href="#">S600</a>	High efficiency wide input voltage PFC power supply	6~15V 40A 600W output
<a href="#">S1200</a>	High efficiency wide input voltage PFC power supply	12~24V 50A 1200W output
<a href="#">S1500</a>	High efficiency wide input voltage PFC power supply	10~25V 60A 1500W output

## Warnings





CHARGER Y

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25Amps 400W max.

- Never leave the power supply unattended when it turn on. If any malfunction is observed, please turn off the power supply as fast as possible.
- Keep away the power supply from dust, damp, rain, heat direct sunshine and vibration. Do not drop it.
- The power supply should be set up on non-inflammable and non-conductive surface. Never place on a car seat, carpet or similar.
- Keep all the inflammable volatile materials well away from operating area.
- Do not attempt to charge any types of battery including below:
  - Lead acid battery or VRLA
  - NIMH/NICd battery pack
  - Li-ion and lithium polymer battery

## Warranty and Service

Chargery Power Co., Ltd. as manufacture of R/C model power warrants S400 power supply to be free of defects in material and workmanship. This warranty is effective for 12 months from date of purchase. If within the warranty period the customer is not satisfied with the products performance resulting from a manufacturing defect, the accessory will be replaced or repaired. This warranty does not cover the damage due to wear, overloading, incompetent handling or using of incorrect accessories.



### Chargery Power Co., LTD.

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