

Switching Mode Power Supply

交換式直流電源供應器

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)



TPS SERIES

CE, Remote Control, Output ON/OFF, USB

Features:

- Rotary Encoder Control Knob with coarse & fine tuning
- 3 user defined V & I presets (recalls)
- Full remote Control of V, I and output on-off
- High RFI immunity & excellent EMI
- Isolated ground, Active PFC & high power efficiency
- Intelligent fan control from zero to full speed
- Remote Sensing
- Overload, Over Temperature & Tracking Over Voltage protections
- Optional programable features: - USB interface for remote programable control via computer
- 20 programable sets of V&I presets with different time duration and up to 999 cycles

功能特點：

- 使用飛梭旋鈕，可輕易控制粗調及微調。
- 內建 3 組電壓，電流儲存及呼叫功能。
- 遠端控制功能: 可控制電壓，電流及輸出 ON/OFF。
- 具有高度抗輻射及電磁波幹擾。
- 智慧型風扇控制。
- 過載保護，過溫保護及追蹤過電壓保護功能。
- 全新的設計體積小，重量輕。
- 選配可程式功能：
 - USB 介面，可通過電腦進行可程式遠端控制。
 - 內建 20 組可程式電壓、電流設定存儲及呼叫，可設定不同時間段，最高可運行 999 個週期。

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MODEL

TPS-1560: 1~15V, 0~60A

TPS-3030: 1~30V, 0~30A

TPS-6015: 1~60V, 0~15A

TPS-1530: 1~15V, 0~30A

TPS-3015: 1~30V, 0~15A

TPS-6008: 1~60V, 0~8A

TPS-3020: 1~30V, 0~20A

TPS-6010: 1~60V, 0~10A

Specifications:

Model	TPS-1560	TPS-3030	TPS-6015
Meter Type & Accuracy	1~15VDC	1~30VDC	1~60VDC
Voltage Meter	3 Digit LED Display $\pm 0.2\% + 3\text{counts}$		
Current Meter	3 Digit LED Display $\pm 0.2\% + 3\text{counts}$		
Display resolution	Voltmeter: 100mV Ammeter: 10mA		
Input Voltage	1000~120VAC, or 200~240VAC 50/60Hz~		
Output current	0~60A	0~30A	0~15A
Full Load Input Current	4.7A	4.5A	4.5A
Efficiency	85%	86%	88%
Power Factor Control	Power factor correction >0.95 at optimal load		
Cooling Method	Thermostatic Control Fan from Zero to full speed		
Voltage Regulation	Overload, Short Circuit by Constant Current, Output Tracking Over Voltage, Over Temperature		
Special Features	3 User defined V & I preset, Remote control V, I and output on-off Remote Sensing (only for TPS-1560)		

Protections	+2V O/P 5~15V: set voltage +3V	+2V O/P 5~20V: set voltage +3V O/P 20~30V: set voltage +4V	+2V O/P 5~20V: set voltage +3V O/P 20~60V: set voltage +4V
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Meter Type & Accuracy

Voltage Meter	3 Digit LED Display $\pm 0.2\% + 3$ counts
Current Meter	3 Digit LED Display $\pm 0.2\% + 3$ counts
Display resolution	Voltmeter: 100mV Ammeter: 10mA

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Input Voltage 1000~120VAC, or 200~240VAC 50/60Hz~

Full Load Input Current 4.7A 4.5A 4.5A

Efficiency 85% 86% 88%

Power Factor Control Power factor correction >0.95 at optimal load

Cooling Method Thermostatic Control Fan from Zero to full speed

Protections Overload, Short Circuit by Constant Current, Output Tracking Over Voltage, Over Temperature

Special Features 3 User defined V & I preset, Remote control V, I and output on-off
Remote Sensing (only for TPS-1560)

Optional programmable features

Interface USB

Preset cycle programming Max.20 psets of V&I
Max.preset time: 100 minutes (99min.+60sec.)]
Max.preset cycle: 999

Dimensions 200Wx90Hx275D mm

Weight 3.2kg

**All values are based on the Standard ambient Temperature 25 °C and Pressure 0.1Mpa.
Specifications are subject to change without prior notice.**

Specifications:

Model	TPS-1530	TPS-3015	TPS-6008	TPS-3020	TPS-6010
Output voltage	1~15VDC	1~30VDC	1~60VDC	1~30VDC	1~60VDC
Output current	0~30A	0~15A	0~8A	0~20A	0~10A
Voltage Regulation					
Load (10~100% load)	50mV				
Line (170~264VAC variation)	20mV				
Current Regulation					
Load	150mA	100mA	100mA	100mA	100mA

Line (170~264VAC variation)	50mA				
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Ripple & Noise					
Ripple & Noise (r.m.s) voltage	5mV				
Ripple & Noise (peak-peak) voltage	50mV	50mV	10mV	50mV	100mV
Switching Frequency	65-85kHz~	75-95kHz~	65-85kHz~	75-95kHz~	68-85kHz~
Tracking Over Voltage Protections	O/P 1~5V: set voltage +2V O/P 5~15V: set voltage +3V	O/P 1~5V: set voltage +2V O/P 5~20V: set voltage +3V O/P 20~30V: set voltage +4V	O/P 1~5V: set voltage +2V O/P 5~20V: set voltage +3V O/P 20~60V: set voltage +4V	O/P 1~5V: set voltage +2V O/P 5~20V: set voltage +3V O/P 20~30V: set voltage +4V	O/P 1~5V: set voltage +2V O/P 5~20V: set voltage +3V O/P 20~60V: set voltage +4V
Meter Type & Accuracy					
Voltage Meter	3 Digit LED Display $\pm 0.2\%$ + 3counts				
Current Meter	3 Digit LED Display $\pm 0.2\%$ + 3counts				
Display resolution	Voltmeter: 100mV Ammeter: 10mA				
Input Voltage	1000~120VAC, or 200~240VAC 50/60Hz~				
Full Load Input Current	2.4A	2.4A	2.4A	3.1A	3.1A
Efficiency	85%	85%	88%	87%	89%
Power Factor Control	Power factor correction >0.95 at optimal load			Power factor correction >0.9 at optimal load	
Cooling Method	Thermostatic Control Fan from Zero to full speed				
Protections	Overload, Short Circuit by Constant Current, Output Tracking Over Voltage, Over Temperature				
Special Features	3 User defined V & I preset, Remote control V, I and output on-off				
Optional programmable features					
Interface	USB				
Preset cycle programming	Max.20 psets of V&I Max.preset time: 100 minutes (99min.+60sec.)] Max.preset cycle: 999				
Dimensions	200Wx90Hx215D mm				
Weight	2.6kg				

All values are based on the Standard ambient Temperature 25 °C and Pressure 0.1Mpa. Specifications are subject to change without prior notice.