



SPD-3606

NEW



FEATURES

- \* Three Independent, Isolated Output
- \* CH1/CH2 : Dual Range Output of 30V/6A or 60V/3A to Cover Wide Application
- \* Ch3 Adjustable Output : 0.1~5V/3A
- \* High Efficiency Power Conversion (Up to 25% Then Traditional Power Supply)
- \* Remote Control Output On/Off
- \* OVP to Protect the DUT
- \* OTP to Protect SPD-3606 and Reduce the Repair Rate
- \* Automatically Switching AC 115V/230V Source
- \* Fully Safety Design: Reverse Polarity, CH3 Overload Protection, Safe Output Setting , CC/CV Mode
- \* High Power Density: Compact Size, Light Weight
- \* Low Fan Acoustic Noise with Fan Speed Control Circuit
- \* Voltage/Current protection Knob(Optional)

High Economic value D.C. Power Supply SPD-3606 DC power supply provides 375W capability, three isolated outputs with dual-range for CH1/CH2, highly efficient power conversion, low noise, highly reliability, thorough protection design, and compact size. SPD-3606 creates a new bench mark for satisfying main stream power supply demand. Dual-Range, CH1/CH2 of SPD-3606 offer dual-range output either at 30V/6A or 60V/3A per channel to accommodate broad application in one unit. With the auto Series/Parallel tracking operation, SPD-3606 is able to provide the master output at 30V/12A, 60V/6A, or 120V/3A. One SPD-3606 can cover three-output applications and wide combinations of voltage/current output. High Efficiency and High Power Density, High power conversion efficiency lets SPD-3606 consume less energy and align with global environment protection concern. Besides, the high power densities make SPD-3606 weigh less than half and occupy much less space than equal power rating linear power supply, which is used to be quite heavy and bulky. Thorough Design of Protection, To avoid the damage caused by improper operation to SPD-3606 and DUT, SPD-3606 provides numerous protection features such as reverse polarity protection, OVP (Over Voltage Protection) and OTP (Over Temperature Protection). In case the wrong AC Power is connected, SPD-3606 automatically selects can cope with it by switching 115V/230V source internally. Manual or Remote Output on/Off Control, SPD-3606 provides Output on/off function. User can preset the voltage/current value and check the connection between DUT and power supply is ready. Then users could control output on/off by manual switching or by remote connection. SPD-3606 also provides volume guard function. It is an optional item which replaces the regular Voltage/Current knobs to prevent accidentally changing the output level. It is useful for automated testing at fixed output level, such as assembly line inspection.

SPECIFICATIONS	
<b>OUTPUT RATINGS</b>	
CH1/CH2 Independent	0 ~ 30V / 0 ~ 6A ; 0 ~ 60V / 0 ~ 3A
CH1/CH2 Series	0 ~ 60V / 0 ~ 6A ; 0 ~ 120V / 0 ~ 3A
CH1/CH2 Parallel	0 ~ 30V / 0 ~ 12A ; 0 ~ 60V / 0 ~ 6A
CH3	0.1 ~ 5V / 3A
<b>VOLTAGE REGULATION</b>	
Line	≤ 0.01% + 3mV
Load	≤ 0.01% + 5mV (rating current ≤6A) ≤ 0.01% + 8mV (rating current ≤12A)
Ripple & Noise	≤ 5mVrms (5Hz ~ 1MHz) ; ≤ 50mVpp (20Hz ~ 20MHz)
Recovery Time	≤ 100μs(50% load change, minimum load 0.5A)
<b>CURRENT REGULATION</b>	
Line	≤ 0.2% + 3mA
Load	≤ 0.2% + 3mA
Ripple & Noise	≤ 3mArms
<b>TRACKING OPERATION</b>	
Tracking Error	≤ 0.5% + 10mV of master
Series Regulation	≤ 300mV
Ripple & Noise	≤ 10mVrms (5Hz ~ 1MHz) ; ≤ 100mVpp (20Hz ~ 20MHz)
<b>OUTPUT ON/OFF RESPONSE TIME</b>	
Voltage Up (10% ~ 90%)	≤ 100ms (≤95% rating load)
Voltage Down (90% ~ 10%)	≤ 100ms (≥10% rating load)
<b>OVP</b>	
Accuracy	± (0.5% of reading + 0.5V)
<b>METER</b>	
Type	3 1/2 digits 0.5" LED display
Accuracy	± (0.5% of reading + 2 digits)
Resolution	100mV/10mA
<b>INSULATION</b>	
Chassis & Terminal	100MΩ or above (DC 1000V)
Chassis & AC code	100MΩ or above (DC 1000V)
<b>TEMPERATURE COEFFICIENT</b>	
Voltage	≤ 100ppm/°C + 3mV
Current	≤ 150ppm/°C + 3mA
<b>REMOTE CONTROL</b>	
Output On/Off	
<b>FAN NOISE</b>	
≤50dB	
<b>OPERATION ENVIRONMENT</b>	
Ambient temperature	0 ~ 40 °C ; Relative humidity ≤ 80%
<b>STORAGE ENVIRONMENT</b>	
Ambient temperature	-10 ~ 70 °C ; Relative humidity ≤ 70%
<b>POWER SOURCE</b>	
AC	115V/230V ±15%, 50/60Hz
<b>DIMENSIONS &amp; WEIGHT</b>	
255 (W) x 145 (H) x 265 (D) mm ;	Approx. 6kg



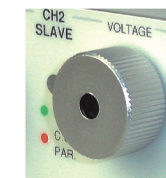
SPD-3606

ORDERING INFORMATION	
SPD-3606	375W Dual Range D.C. Power Supply
ACCESSORIES :	
User manual x 1, Power code x 1, Test lead GTL-104 x 2, GTL-105 x 1	
<b>Optional Accessories</b>	
GPS-001	Voltage/Current protection Knob

Rear Panel



GPS-001 Voltage/Current protection Knob



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