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Find the *Instek SPD-3606* at our website: *Click HERE*



SPD-3606

Remote I/O

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 satisying 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.

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(Option)

SPECIFICATIONS	
OUTPUT RATINGS	
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
VOLTAGE REGULATION	
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)
CURRENT REGULATION	
Line	≤ 0.2% + 3mA
Load	≤ 0.2% + 3mA
Ripple & Noise	≤ 3mArms
TRACKING OPERATION	
Tracking Error	≤ 0.5% + 10mV of master
Series Regulation	≤ 300mV
Ripple & Noise	≤ 10mVrms (5Hz ~ 1MHz) ; ≤ 100mVpp (20Hz ~ 20MHz)
OUTPUT ON/OFF RESPONSE TIME	
Voltage Up (10% ~ 90%)	≤ 100ms (≤95% rating load)
Voltage Down (90% ~ 10%)	≤ 100ms (≥10% rating load)
OVP	
Accuracy	± (0.5% of reading + 0.5V)
METER	
Type	3 1/2 digits 0.5" LED display
Accuracy	± (0.5% of reading + 2 digits)
Resolution	100mV/10mA
INSULATION	
Chassis & Terminal	100MΩ or above (DC 1000V)
Chassis & AC code	100MΩ or above (DC 1000V)
TEMPERATURE COEFFICIENT	
Voltage	≤ 100ppm/°C + 3mV
Current	≤ 150ppm/°C + 3mA
REMOTE CONTROL	
Output On/Off	
FAN NOISE	
≤50dB	
OPERATION ENVIRONMENT	
Ambient temperature 0 ~ 40°C ; Relative humidity≤80%	
STORAGE ENVIRONMENT	
Ambient temperature -10 ~ 70°C ; Relative humidity≤70%	
POWER SOURCE	
AC 115V/230V±15%, 50/60Hz	
DIMENSIONS & WEIGHT	
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	
Optional Accessories	
GPS-001	Voltage/Current protection Knob

Rear Panel



GPS-001
Voltage/Current protection Knob



POWER SUPPLIES

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