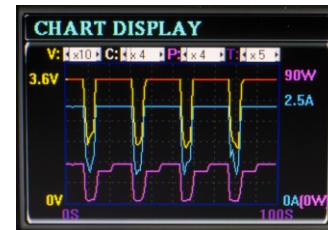


Description

This new family of high performance programmable power supplies with new advanced microprocessor technology allow programming and setting of all parameters on the unit's key pad without the use of PC. The color LCD display facilitates settings of multiple parameters and real time output V/I/W wave form. The convenient closed housing firmware upgrade and calibration procedure allow up keeping of the optimal state of the power supply. The power supplies come with Ethernet, USB and RS-485 ports for remote control, Programming, Monitoring and Data Logging via PC interface through SCPI commands. Groups of control settings and cyclic sequence can be stored in the PC and input to the selected power supply via Ethernet, RS-485 and USB. When using RS-485, one PC can control and data log as many as 31 power supplies of the same series. There are features in this new series that are only found in higher price category power supplies.

360Watt SMPS with Color displays V/ A/ W graph, On-Panel Programming and Ethernet, USB, RS-485 ports



Typical Applications

R &D verification, Quality control, Production works especially in applications which require groups of different setting of output parameters for various cyclic operations period and records of output readings in dynamic load tests. The power supply can be set to be on LAN (without the use of PC) allows full control and monitoring via internet is handy for test piece at distant site. It is ideal for applications with multiple power supplies at various locations with one centralized PC control.

Features

- 360W single output laboratory grade programmable switching mode PS.
- Color LCD displays multiple parameters & real time output V/ I/ W graph.
- Full Panel setting of cyclic Program and all System parameters including LAN.
- Full Remote Programming, monitoring and data logging.
- One PC can control, monitor and data log up to 31 power supplies via RS-485.
- One PC can control, monitor and data log any number of power supplies via Ethernet.
- Built in Ethernet, RS-485 and two USB ports.
- One device USB port for remote programming, control and data logging.
- One host USB port for direct downloading data to the external memory stick.
- Local and Remote programmable cyclic run of 20 sets V, I, Time and up to 999 cycles.
- Supplied with control software, SCPI command sets, and LabView™ driver.
- Convenient close housing calibration and firmware upgrade.
- 4digit ammeter, voltmeter and power meter.
- Tracking OVP plus user defined max. output voltage .
- 9 user presets of voltage and current limit at the key pad.

* All values are based on the Standard ambient Temperature 25°C and Pressure 0.1Mpa.

* SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

Specifications

Models	SDP-3618	SDP-3636	SDP-3660
Output			
Variable Output Voltage	1-18VDC	1-36VDC	1-60VDC
Variable Output Current	0-20A	0-10A	0-5A
Output Rated Power	360W	360W	300W
Voltage Regulation			
Load (10-100% Rated Current)	≤50mV		
Line (90-264VAC Variation)	≤20mV		
Current Regulation			
Load (10-90% Rated Voltage)	≤50mA		
Line (90-264VAC Variation)	≤50mA		
Ripple & Noise			
Ripple & Noise (r.m.s.) Voltage	≤5mV		
Ripple & Noise (peak-peak) Voltage	≤50mV		
Tracking Over Voltage Protection	O/P 1-5V: set voltage +1V O/P 5-18V: set voltage +3V	O/P 1-5V: set voltage +1V O/P 5-20V: set voltage +3V O/P 20-36V: set voltage +4V	O/P 1-5V: set voltage +1V O/P 5-20V: set voltage +3V O/P 20-60V: set voltage +4V
Meter Type & Accuracy			
Display Meter	Color LCD (4digit - Ammeter, Voltmeter & Power meter)		
Meter Accuracy	±1% +5counts for V<5V, I<0.5A ; ±1% +2counts for V<5V, I<0.5A		
LCD Dimension	48x66 mm		
Input Voltage	90-264VAC 50/60Hz~		
Full Load Input Current (230VAC/ 100VAC)	2.1A/ 4.6A	2.1A/ 4.6A	1.7A/ 4.8A
Efficiency (230VAC)	≥85%	≥86%	≥86%
Power Factor Control	Power factor control >0.95 at optimal load		
Cooling Method	Thermostatic Control Fan from zero to full speed		
Operating Temperature	0-40°C		
Protection	Overload, Short Circuit by Constant Current, Output Tracking Over Voltage, Over Temp.		
Approval	CE EMC: EN 55011, 55022 LVD: EN 60950, 61010		
Dimension (WxHxD)	193x98x215 mm 7.6x3.9x8.5 inch		
Weight	Approx. 2.4 kgs 5.2 lbs		
Remote Programmable Specification			
Communication Interface	USB 2.0, RS-485, 10/ 100Mb Ethernet		
Remote Programmable Functionality	Full Control of Power Supply Functions and Data Read-back		
Data Logging	Yes, with supplied software		

Accessories



AC Power Cord



CDROM
include user manual,
USB driver and
PC control software



USB Cable



User Manual

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