



## 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.

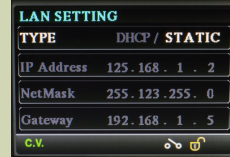
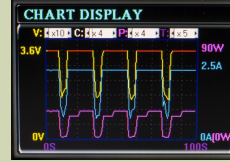
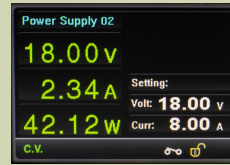
## Features

- 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
- 4 digit 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.

## Specifications

Models	SDP - 3618	SDP - 3636	SDP - 3660
<b>Output</b>			
<b>Variable Output Voltage</b>	1 - 18VDC	1 - 36VDC	1 - 60VDC
<b>Variable Output Current</b>	0 - 20A	0 - 10A	0 - 5A
<b>Output Rated Power</b>	360W		
<b>Voltage Regulation</b>			
<b>Load (10 - 100% Rated Current)</b>	≤50mV		
<b>Line (90 - 264VAC Variation)</b>	≤20mV		
<b>Current Regulation</b>			
<b>Load (10 - 90% Rated Voltage)</b>	≤50mA		
<b>Line (90 - 264VAC Variation)</b>	≤50mA		
<b>Ripple &amp; Noise</b>			
<b>Ripple &amp; Noise (r.m.s.) Voltage</b>	≤5mV		
<b>Ripple &amp; Noise (peak-peak) Voltage</b>	≤50mV		
<b>Output Tracking Over Voltage Protections</b>	O/P 1-5V : set voltage +2V O/P 5-18V : set voltage +3V	O/P 1-5V : set voltage +2V O/P 5-20V : set voltage +3V O/P 20-36V : set voltage +4V	O/P 1-5V : set voltage +2V O/P 5-20V : set voltage +3V O/P 20-60V : set voltage +4V
<b>Meter Type &amp; Accuracy</b>			
<b>Display Meter</b>	Color LCD (4 digit - Ammeter, Voltmeter & Power meter)		
<b>Meter Accuracy</b>	±1% +5counts for V<5V, I<0.5A ; ±1% +2counts for V<5V, I<0.5A		
<b>LCD Dimension</b>	48 x 66mm		
<b>Input Voltage</b>	90 - 264VAC 50/60Hz~		
<b>Full Load Input Current (230VAC/100VAC)</b>	2.1/4.6A	2.1/4.6A	1.7/3.8A
<b>Efficiency (230VAC)</b>	≥85%	≥86%	≥86%
<b>Power Factor Control</b>	Power factor correction >0.95 at optimal load		
<b>Cooling Method</b>	Thermostatic Control Fan from Zero to full speed		
<b>Operating Temperature</b>	0 - 40°C		
<b>Protections</b>	Overload, Short Circuit by Constant Current, Output Tracking Over Voltage, Over Temperature		
<b>Approvals</b>	CE EMC: EN 55011, 55022 LVD: EN 60950, 61010		
<b>Dimensions (WxHxD)</b>	193x98x215 mm 7.6x3.9x8.5 inch		
<b>Weight</b>	Approx. 2.4 kgs 5.2 lbs		
<b>Accessories</b>	User Manual, Application Software for windows®, LabView™ Driver, SCPI Command Set		
<b>Remote Programmable Specifications</b>			
<b>Communication Interface</b>	USB 2.0, RS-485, 10/ 100Mb Ethernet		
<b>Remote Programming Functionality</b>	Full Control of Power Supply Functions and Data Read-back		
<b>Data Logging</b>	Yes, with supplied software		

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 .