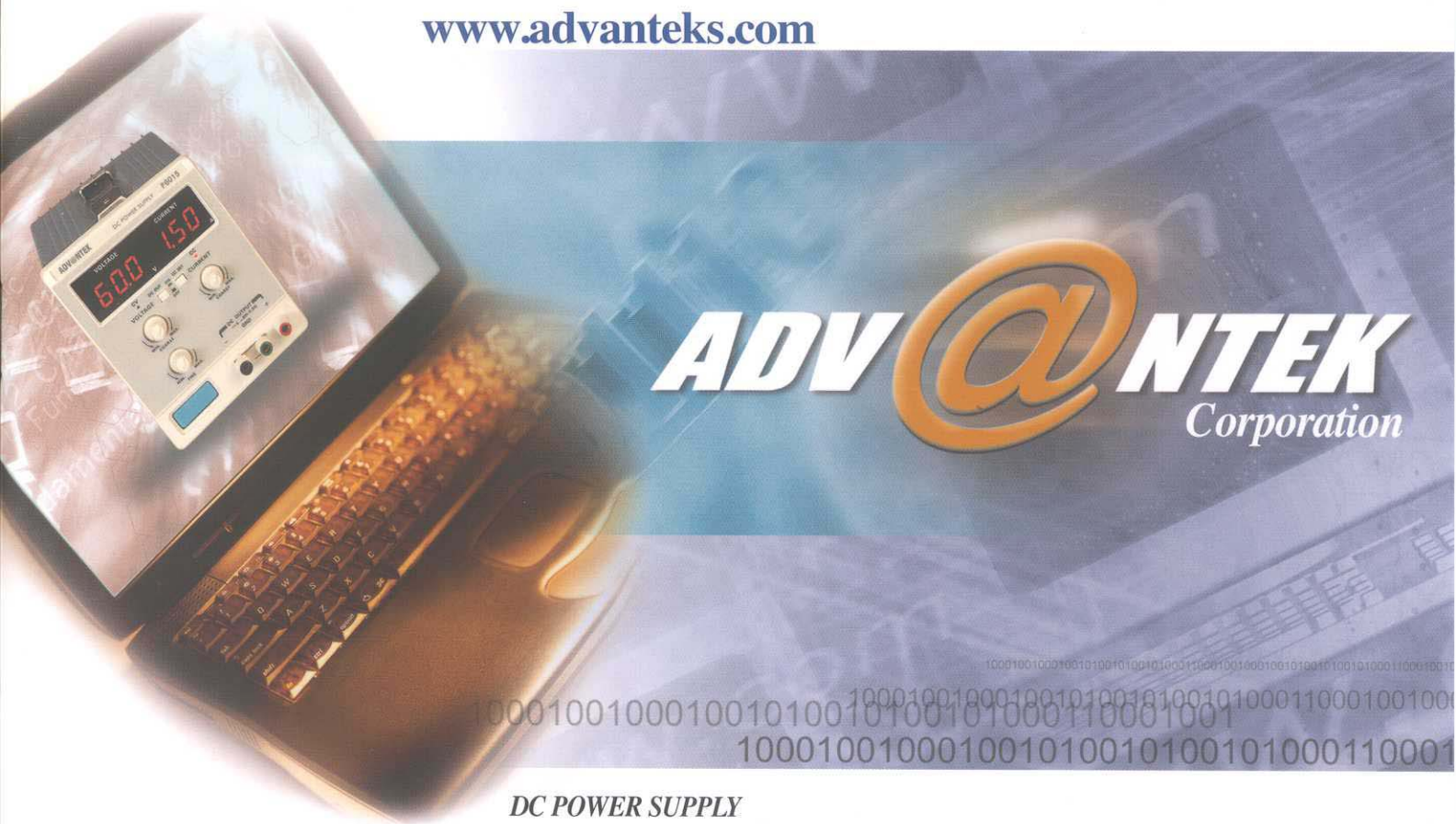


www.advanteks.com



ADV@NTEK
Corporation

*DC POWER SUPPLY
TEST INSTRUMENT
OSCILLOSCOPE
BENCH TOP INSTRUMENT
UNIVERSAL TEST LEADS & ACCESSORIES*

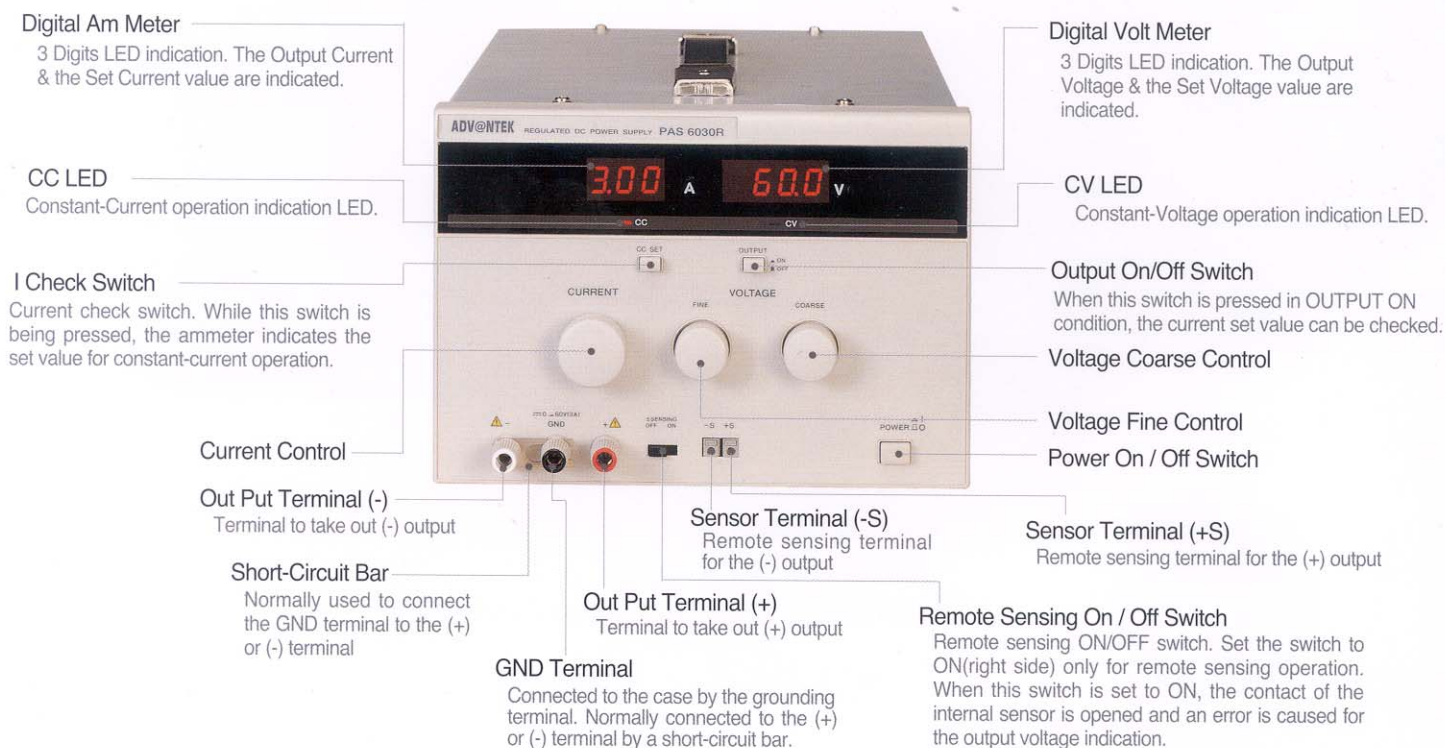


REGULATED DC POWER SUPPLIES

PAS SERIES

The PAS series power supply has all of the great features you would expect power supplies to have and are a series of compact, high-performance DC constant-voltage / constant-current power supplies with a 3 digits LED display.

Specially PAS-R has Remote Control Terminals that is able to use for control of output voltage and current by external resistance or voltage. The output voltage can be increased by series operation, while output current can be increased by parallel operation.



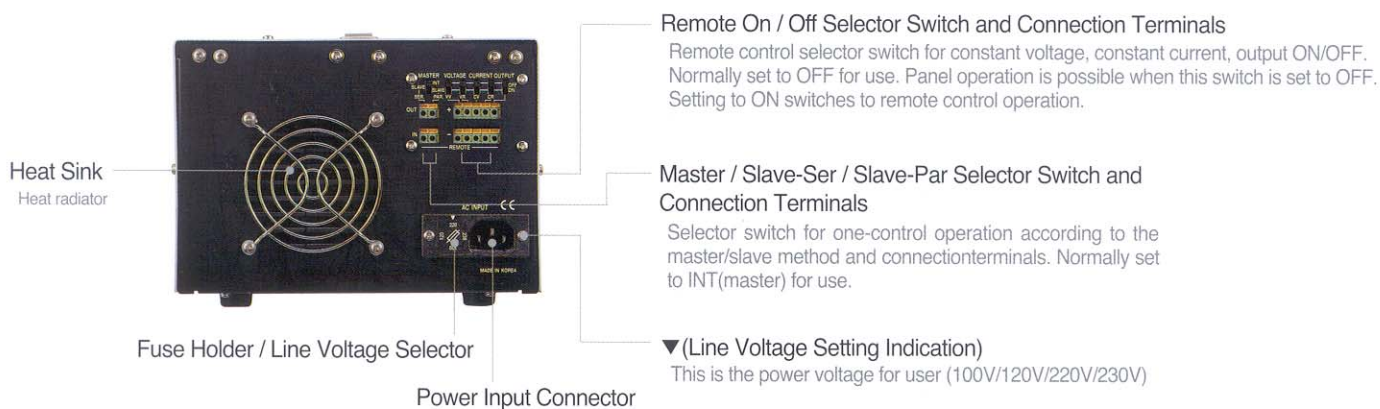
PAS3060 (30V 6A)
PAS6030 (60V 3A)
PAS5050 (50V 5A)



PAS3060R (30V 6A)
PAS6030R (60V 3A)
PAS5050R (50V 5A)

SPECIFICATIONS

ITEM			PAS 3060/R	PAS 6030/R	PAS 5050/R
Output	Voltage		0 to 30V	0 to 60V	0 to 50V
	Current		0 to 6A	0 to 3A	0 to 5A
Constant Voltage	Load Regulation (0 to 100% load variation)		5mV	8mV	12mV
	Line Regulation (0 to 10% line variation)		5mV	8mV	12mV
	Ripple and Noise (rms)		1mV		
Constant Current	Load Regulation (0 to 100% load variation)		15mA		
	Line Regulation (0 to 10% line variation)		6mA	3mA	5mA
	Ripple and Noise (rms)		3mA		
Display	Voltmeter	Type	3 digits red LED		
		Accuracy	± (0.2% Rdg. + 2 digits)		
		Resolution	100mV		
	Ammeter	Type	3 digits red LED		
		Accuracy	± (1.0% Rdg. + 3 digits)		
		Resolution	10mA		
	LED indicators		Green LED : CV, Red LED : CC		
Remote Programming (R type only)	External programming Voltage terminals		Varies the output linearly from 0 to maximum output Voltage, ± 5%(or current in the constant current mode) when 0 to 10V is applied.		
	External programming Resistance terminals		Varies the output linearly from 0 to maximum output Voltage, ± 5%(or current in the constant current mode) when 0 to 10kΩ is applied.		
	Remote sensing		R type only		
	Remote ON/OFF		R type only (Front panel remote on/off switch)		
	Master slave		One master controls one or more slave units in series or parallel. Note : Parallel units must be the same model		
Temperature	Operating Temperature		0℃ to 40℃, 10 to 80% RH		
	Stroage Temperature		-20℃ to 60℃, 10 to 85% RH		
	Cooling Method		Fan		
	Max. Voltage to ground		± 200V DC		
	Insulation Resistance		30MΩ @ DC 500V : AC input to Chassis		
			20MΩ @ DC 500V : Chassis to input terminal		
Power	Input power		100V/120V/220V/230V selectable		
	Power Consumption		450VA/370W	380VA/300W	500VA/420W
Dimensions	Size W×H×D		210×163×347(mm)		210×163×430(mm)
	Weight		10Kg	10Kg	15Kg
Accessories			One instruction manual, power cable		



REGULATED DC POWER SUPPLIES

PAS SERIES



PAS2030 (20V 3A)
PAS3020 (30V 2A)
PAS3030 (30V 3A)
PAS6010 (60V 1A)



PAS2030R (20V 3A)
PAS3020R (30V 2A)
PAS3030R (30V 3A)
PAS6010R (60V 1A)

- **low ripple and low noise characteristic**
Ripple and noise are kept extremely low by use of the series regulator method, and excellent electrical characteristics are provided.
- **Simultaneous display (voltage and current)**
Using 3-digit LED, voltage and current can be set and confirmed simultaneously.
- **Floating output terminals**
Floating output terminals are provided for either positive or negative ground.
- **Series/parallel operation (only for PAS R series)**
The output voltage can be increased by series operation, while output current can be increased by parallel operation.
- **Remote sensing terminal (only for PAS R series)**
PAS-R power supply can monitor the voltage at the load and stabilise voltage at the load.

Remote Control Application

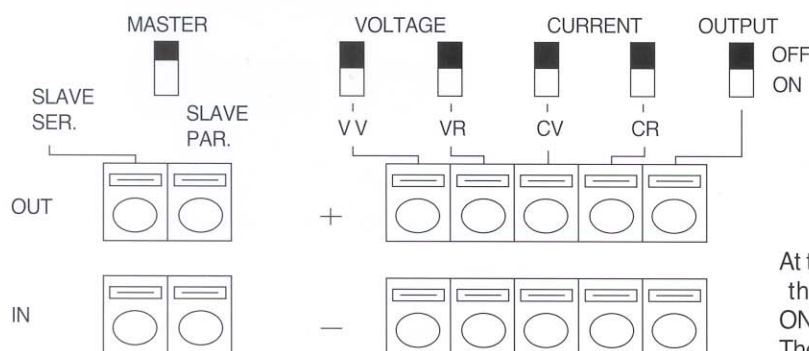
Operation method \ Remote control function		MASTER / SLAVE-SER / SLAVE-PAR	CV REMOTE voltage / resistance	CC REMOTE voltage / resistance	OUTPUT ON / OFF
Stand-alone operation of this unit		Set to M	○ or ○	○ or ○	○
One-control parallel operation	MASTER	Set to M	○ or ○	○ or ○	○
	SLAVE	Set to S-PAR	×	×	○
One-control serial operation	MASTER	Set to M	○ or ○	○ or ○	○
	SLAVE	Set to S-SER	×	×	×

- : Remote control is possible
× : Remote control is not possible

SPECIFICATIONS

ITEM			PAS2030/R	PAS3020/R	PAS3030/R	PAS6010/R
Output	Voltage		0 to 20V	0 to 30V		0 to 60V
	Current		0 to 3A	0 to 2A	0 to 3A	0 to 1A
Constant Voltage	Load Regulation (0 to 100% load variation)		4mV	5mV		8mV
	Line Regulation (0 to 10% line variation)		4mV	5mV		8mV
	Ripple and Noise (rms)		0.5mV			1mV
Constant Current	Load Regulation (0 to 100% load variation)		10mA			
	Line Regulation (0 to 10% line variation)		2mA			
	Ripple and Noise		3mA	2mA	3mA	1mA
Display	Voltmeter	Type	3 digits red LED			
		Accuracy	± (0.2% Rdg. + 2 digits)			
		Resolution	100mV			
	Ammeter	Type	3 digits red LED			
		Accuracy	± (1.0% Rdg. + 3 digits)			
		Resolution	10mA			
	LED indicators		Green LED : CV, Red LED : CC			
Remote Programming (R type only)	External programming Voltage terminals		Varies the output linearly from 0 to maximum output Voltage, ±5%(or current in the constant current mode) when 0 to 10V is applied.			
	External programming Resistance terminals		Varies the output linearly from 0 to maximum output Voltage, ±5%(or current in the constant current mode) when 0 to 10kΩ is applied.			
	Remote sensing		R type only			
	Remote ON/OFF		R type only (Front panel remote on/off switch)			
	Master slave		One master controls one or more slave units in series or parallel. Note : Parallel units must be the same model			
Temperature	Operating Temperature		0℃ to 40℃, 10 to 80% RH			
	Stroage Temperature		-20℃ to 60℃, 10 to 85% RH			
	Cooling Method		Free air			
	Max. Voltage to ground		± 200V DC			
	Insulation Resistance	30MΩ @ DC 500V : AC input to Chassis				
		20MΩ @ DC 500V : Chassis to input terminal				
Power	Input power		100V/120V/220V/230V selectable			
	Power Consumption		175VA/125W	165VA/115W	235VA/165W	145VA/100W
Dimensions	Size W×H×D		138×162×345(mm)			
	Weight		6.0Kg	6.0Kg	6.6Kg	6.0Kg
Accessories			One instruction manual, power cable			

Remote Control Application Functions on the Rear Panel



At the time of shipping from the factory, the MASTER/SLAVE switch and the REMOTE ON/OFF switch are set shown in the picture. The sensing switch on the front panel is set to OFF.

REGULATED DC POWER SUPPLIES

P SERIES

Our power supplies are the ideal DC sources for Lab. Service, Industrial, or Educational applications. They are designed with an energy saving circuit for cooler, more reliable and efficient operation at all output levels. All our supplies are short circuit and overload protection providing "fool proof" operation for any applications. Our power supplies feature:

- Constant Voltage or Constant Current Operation
- Excellent Load, Line and Ripple Specifications
- Each output has a Readout for Voltage and Current
- Fully isolated outputs allow Series or Parallel connection
- Coarse and Fine Voltage Controls for accurate voltage and current settings
- Indicators for Constant Voltage, Constant Current and Overload Operation
- Noise Free Linear Technology for RF Circuits and High sensitivity Amplifiers

DIGITAL CURRENT METER

indicates the output current.

DIGITAL VOLT METER

indicates the output voltage.

CC LAMP

lights when this unit in constant current operation.

CV LAMP

lights when the power turn on and constant voltage operation.

DC OUTPUT SWITCH

on / off switch for the DC OUTPUT.

VOLT ADJ (COARSE) KNOB

for the coarse adjustment of the output voltage.

CC SET SWITCH

current limiting set-up without output terminal shorting or various loads, and provide current limiting value preview facility.

CURRENT ADJ KNOB

for the adjustment of the output current.

POWER SWITCH

on / off switch

VOLT ADJ (FINE) KNOB

for the coarse adjustment of the output voltage.



OUTPUT TERMINAL

positive polarity (+) is red.
negative polarity (-) is black.
earth and chassis ground is green.



P3015D (30V 1.5A)
P3030D (30V 3A)



P3015T (30V 1.5A)



P3625T

- 36V 2.5A / DUAL
- 3.3V / 5V, 5A Fixed
- SERIES / PARALLEL OPERATION



**P3030 (30V 3A)
P3050 (30V 5A)
P6015 (60V 1.5A)**

SPECIFICATIONS

ITEM			P3015D	P3030D	P3015T	P3625T	P3030	P3050	P6015
Output	Voltage		0 to 30V Dual		0 to 30V Dual 5V/5A Fixed	0 to 36V Dual 3.3V or 5V Fixed	0 to 30V		0 to 60V
	Current		0 to 1.5A Dual	0 to 3A Dual	0 to 1.5A Dual 5V/5A Fixed	0 to 2.5A Dual 5A Fixed	0 to 3A	0 to 5A	0 to 1.5A
Constant Voltage	Load Regulation (0 to 100% load variation)		8mV						14mV
	Line Regulation (0 to 10% line variation)		8mV						14mV
	Ripple and Noise (rms)		0.5mV						1mV
Constant Current	Load Regulation (0 to 100% load variation)		10mA					20mA	10mA
	Line Regulation (0 to 10% line variation)		3mA	4mA	3mA		4mA	8mA	3mA
	Ripple and Noise		2mA	3mA	2mA	3mA		5mA	2mA
Fixed Output	Output	Voltage			5V ± 2.5%	3.3V / 5V ± 2.5%			
		Currtent			5A ± 2.5%				
	Ripple and noise (rms)				2mV rms				
	Line and Load Regulation				0.1% ± 5mV				
	Tracking error (Slave)				±(0.5% +10mV)of the master supply				
Display	Voltmeter	Type	3 digits red LED						
		Accuracy	± (0.2% Rdg. + 2 digits)						
		Resolution	100mV						
	Ammeter	Type	3 digits red LED						
		Accuracy	± (1.0% Rdg. + 3 digits)						
		Resolution	10mA						
LED indicators		Green LED : CV, Red LED : CC							
Temperature	Operating Temperature		0℃ to 35℃, 10 to 80% RH						
	Stroage Temperature		-20℃ to 60℃, 10 to 85% RH						
	Cooling Method		Free air			Fan	Free air	Fan	Free air
	Max. Voltage to ground		± 200V DC						
	Insulation Resistance		30MΩ @ DC 500V : AC input to Chassis						
20MΩ @ DC 500V : Chassis to input terminal									
Power	Input power		115V/230V selectable			230V	115V/230V selectable		
	Power Consumption		210VA/160W	400VA/320W	230VA/175W	400VA/310W	200VA/160W	330VA/270W	190VA/150W
Dimensions	Size W × H × D		234 × 160 × 326(mm)				124 × 160 × 326(mm)		
	Weight		7.5Kg			9.5Kg	5Kg	5.5Kg	5Kg
Accessories			One instruction manual, power cable, test leads						



ADV@NTEK

ADVANTER CORPORATION

10000 N. 10th Street, Suite 1000, Phoenix, AZ 85020

Phone: (602) 998-1000 Fax: (602) 998-1001

Internet: www.advanter.com

© 1998 Advanter Corporation. All rights reserved.