

Variable Regulated DC Power Supplies PAD-LA Series

Type III, Type IV, Maximum Output Voltage (16V to 250V) 10 models High Performance and High Reliability Power Supplies in various models



Introducing New "PAD-LA" Series variable regulated DC Power Supply as successor of "PAD-L Series" with well established recognition for reliability.



The PAD-LA Series are renewal version of our long seller models "PAD-L Series" as known for high performance and high reliability of variable DC regulated power supplies used with excellent regulators. The PAD-LA Series has polished features and performance also it has improved the "easy to use" operation by adopting an advanced design and we aim to establish the "Basic Power Supply" which can be used in all fields of application from the R&D, Quality Control to the Manufacturing site.

■ Use large LED monitor with high visibility for 4digits display Adopting with the Digital display from former Analog type, which display the output Voltage, and Current. Furthermore, by locating each indication of the CV/CC and ON/OFF operation around the display, it can easily confirm the required information immediately.

Output and Set Switch

In separate to the Power Switch of the unit, it has equipped the "Output Switch" and also the "SET Switch" which enable to confirm the setting value of voltage and current even when the output is off.

Putting together of the mode setting switches Improving the convenience of operation, we have put together all of the switches located on the upper right area of the unit for the function of Output, Adjusting display, variable resistor for setting of OVP and OCP, Setting operation mode for Analog Remote control, one control parallel operation (or series operation) to set for Master or Slave unit.

circuit) as standard.

(Over Current Protection circuit) In addition to OVP (Over Voltage Protection circuit) function, it is equipped with OCP (Over Current Protection

Output Monitoring It is equipped with the Monitor Output

	-	 -

16V	PAD16-100LA	
36V	PAD36-60LA	
60V	PAD60-35LA	
72V	PAD72-30LA	
110V	PAD110-20LA	
250V	PAD250-8LA	
36V	PAD36-100LA	
60V	PAD60-60LA	
110V	PAD110-32LA	ITEIV
250V	PAD250-15LA	

Terminal for Output Voltage and Output Current as standard. The Monitor Output for Output Voltage is 0 to approx. 10V at 0 to the rated output voltage, and for the Output Current is 0V to approx. 1V at 0 to the rated output current.

Control Terminals

Adopting the screw less wire clamp for the control terminal block on the rear panel that was used to be the harmonica terminal.







Rack mount bracket

		Letter and the second	1.00	1	1.00	1.00	1		1.00	1	1.00	1.00	1		
			Inch i	rack El/	IA standard					Milli	rack JI	IS standard			
Туре		Мо		Unit				Model			Unit				
		KRB5	5-PAD			5			KRB2	250-PAD)		5		
IV		KRB1	1-PAD			11			KRB5	500-PAC)		10		
				1	1				1			1 I I I I I I I I I I I I I I I I I I I	1		

Note: The unit has Intake port for the ventilation of forced cooling, therefore, it is required to install the blank panel in case of assembling the unit into the rack mount system. Please refer to the detail in the "Sample figure of blank panel assembly".





Brank panel

	1	1.00	1	1				1	1	1					1	1		
- Linit		Inch rack EIA standard								Milli rack JIS standard								
Unit			Plate	type		٨	lesh typ	be		Plate	e type			Mesh ty	rpe			
		1 BP191					E	3P191-I	M		BP1H				BP1H-M			

Note: It is not necessary for installing the blank panel in case of rack mount for type IV.

Brank panel installation example

Required size for the width of blank panel (unit JIS: 50mm, EIA: 44.45mm)



Specifications

Output			Dinala				Lood	lation	Dimonstie	Maight	la suit				
Madal	Ou		RIP		Line regu		Load regi		Dimenstions	Approx	Inp	Deuter			
Wodel				CC mArms					Туре	Approx.	Voltage	Power			
	V O to 10	A	invrms	marms	V.005%+mV	mA	0.005%+mV	mA		кд	V±10%	KVA 0.0			
PAD16-100LA	0 to 16	0 to 100	0.5	100	1	3	2	5		65	200	3.3			
PAD36-60LA	0 to 36	0 to 60	0.5	10	1	3	2	5	111	66	200	3.8			
PAD36-100LA	0 to 36	0 to 100	0.5	50	1	3	2	5	IV	96	200	7.1			
PAD60-35LA	0 to 60	0 to 35	0.5	8	1	3	2	3		64	200	3.4			
PAD60-60LA	0 to 60	0 to 60	0.5	20	1	3	2	5	IV	96	200	6.9			
PAD72-30LA	0 to 72	0 to 30	0.5	6	1	3	2	3		64	200	3.8			
PAD110-20LA	0 to 110	0 to 20	1	4	1	1	2	3		63	200	3.8			
PAD110-32LA	0 to 110	0 to 32	1	10	1	3	2	5	IV	94	200	6.7			
PAD250-8LA	0 to 250	0 to 8	5	4	2	1	3	3	IV	63	200	3.4			
PAD250-15LA	0 to 250	0 to 15	5	5	2	1	3	3	IV	92	200	6.7			
 Constant voltage 50p.p.m./°C (star Transient response Time until the out the output current 50µs (standard v Ripple noise 5Hz to 1MHz, ±2 plus or minus out Meters Voltmeter Display error Ammeter Display error 	temperature c idard value) se time tput voltage re t changes 5% alue) BdB bandwidth tput with an rm Maximum di $\pm (0.5\% of rea\pm (1% of rea* 1 at 23°C$	coefficient covers to within to 100%. In average value svalue displa splay 4digits splay 4 digits splay 4 digits splay 4 digits splay 4 digits	in 0.05%+10r ue indication, y AC voltage	nV of the set measured by waveform	value when	Operating humidity range 10 to 90% Cooling system Forced air cooling using a fan Protection devices Constant voltage, constant current automatic crossover Adjustable Overvoltage Protection circuit (OVP) (preset voltage range 10% to 110%) Adjustable Overcurrent Protection circuit (OCP) (preset current range 10% to 110%) Adjustable Overcurrent Protection circuit (OCP) (preset current range 10% to 110%) Voltage detection circuit (smoothing capacitor section) Overheating protector (OHP) Semiconductor cooling heat sink section									
Ground	1. 41 20 0					Input/output fuse									
- Plus or minus ter	minal can be g	rounded				Input surge absorber									
Isolation Voltage						Dimens	sions								
±250V DC exclu - which Isolation V	ding PAD110- oltage is ±500	20LA/PAD250 V	-8LA/PAD11	0-32LA/PAD2	50-15LA of	Type III:430(440)W X 218(275)H X 549(625)Dmm Type IV:430(440)W X 484.6(575)H X 465(525)Dmm									
Insulation resista	nce					Accessories									
Chassis-input: 50	$00V DC 30M_{\Omega}$	min.				Operation manual : 1 copy , Guard caps : 2 pcs , Weight sticker : 1 sheet									
Output-chassis: 5	500V DC 20M	2 min				Type III									
Withstanding volt	age		1			Power cord : 3-core cabtire cable for 200 VAC 1 pc. (3.5mm ² , approx . 3m)									
 No abnormalities ■ Operating tempe 0 to 40°C 	when 1500VA rature range	C applied for	1 minute.			Power cord : Single wire cable 3 pcs. (8mm ² , approx . 3m) , Cable clamper : 1 set									
Dimensi	ons														

TYPE III Unit:mm **TYPE IV** MAX440 — 430 — MAX525 - 465 -MAX40 ::::: ::::: Ë MAX440 MAX630 MAX40 184 430 -549 A A Y :::: Ē ן. דע 5 T. Π ₽ T. V





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