

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

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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.

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

with OCP (Over Current Protection

Output Monitoring

circuit) as standard.

It is equipped with the Monitor Output

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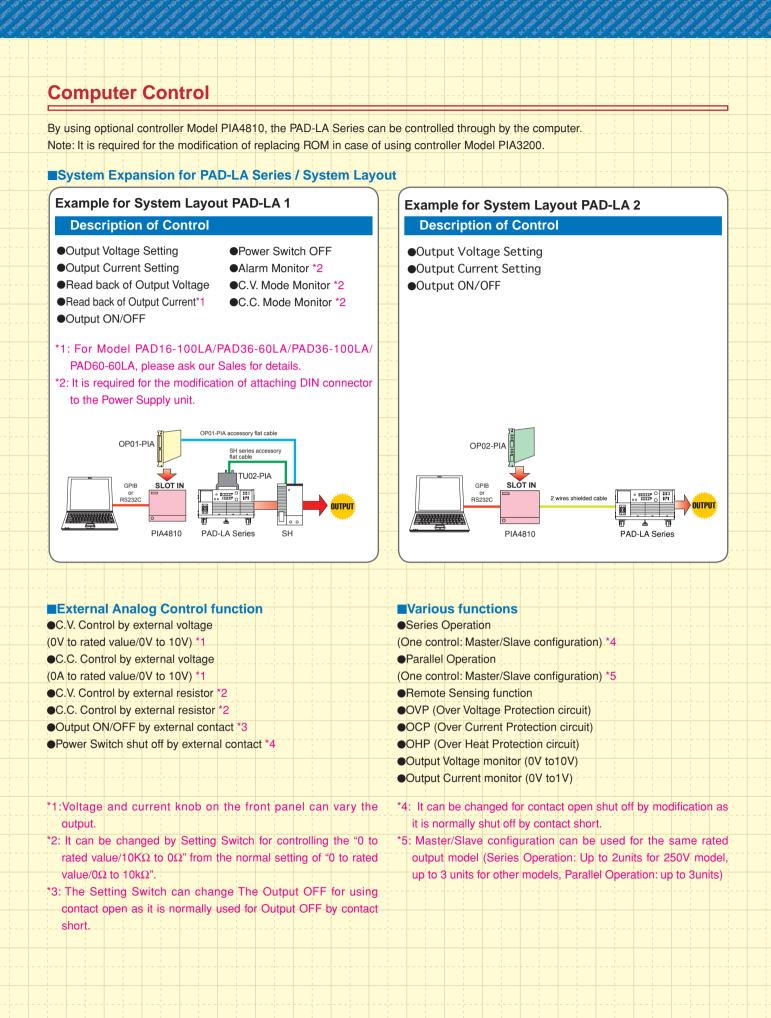
16V	PAD16-100LA					
36V	PAD36-60LA					
60V	PAD60-35LA	TYPE III				
72V	PAD72-30LA	ITPE III				
110V	PAD110-20LA					
250V	PAD250-8LA					
36V	PAD36-100LA					
60V	PAD60-60LA		TYPF IV			
110V	PAD110-32LA					
250V	PAD250-15LA					

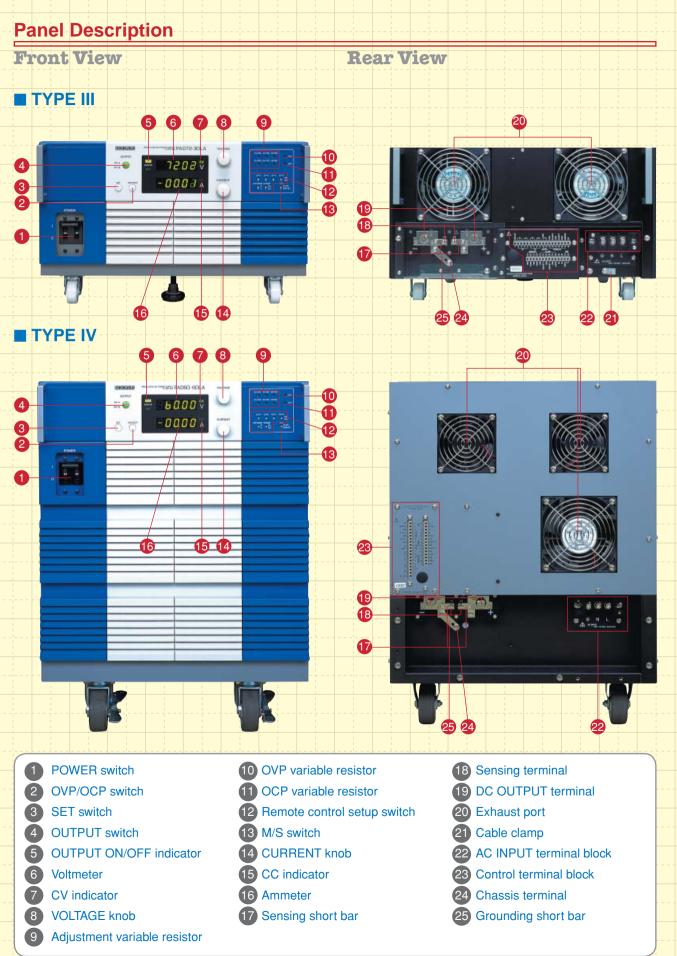
Terminal for Output Voltage and Output Current as standard. The Monitor Output for Output Voltage is 0 to approx. 10V at 0 to the rated output voltage, and for the Output Current is 0V to approx. 1V at 0 to the rated output current.

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.



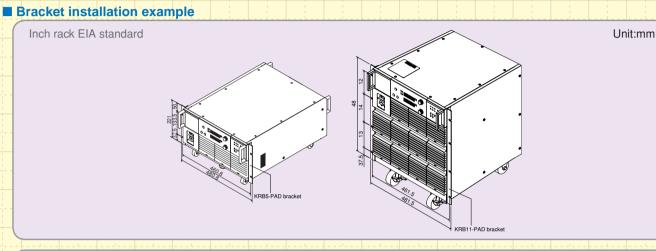


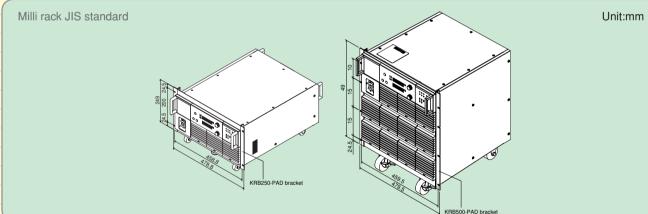


Rack mount bracket

	1	1.00	1	1.00	1	1	1.1	1.1	1	1.00	1.00	1	1.00			
 	-	Inch rack EIA standard							Milli rack JIS standard							
Туре	Mo	del			Unit			Μ	odel			Unit				
111	KRB	5-PAD			5			KRB2	50-PAD)		5				
IV	KRB11-PAD			11				KRB500-PAD			10					
					1		1		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".





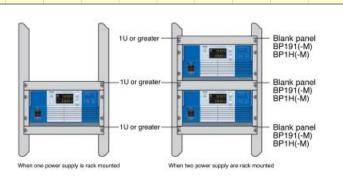
Brank panel

Unit Inch rack	EIA standard	Milli rack JIS standard							
Plate type	Mesh type	Plate type Mesh type							
1 BP191	BP191-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

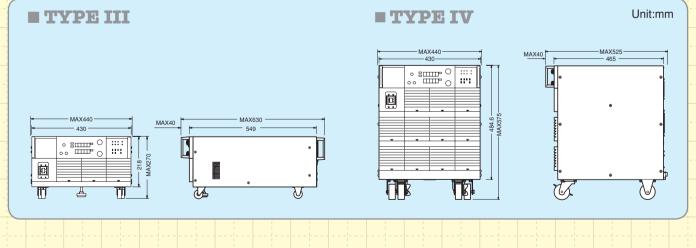
Required size for the width of blank panel (unit JIS: 50mm, EIA: 44.45mm)



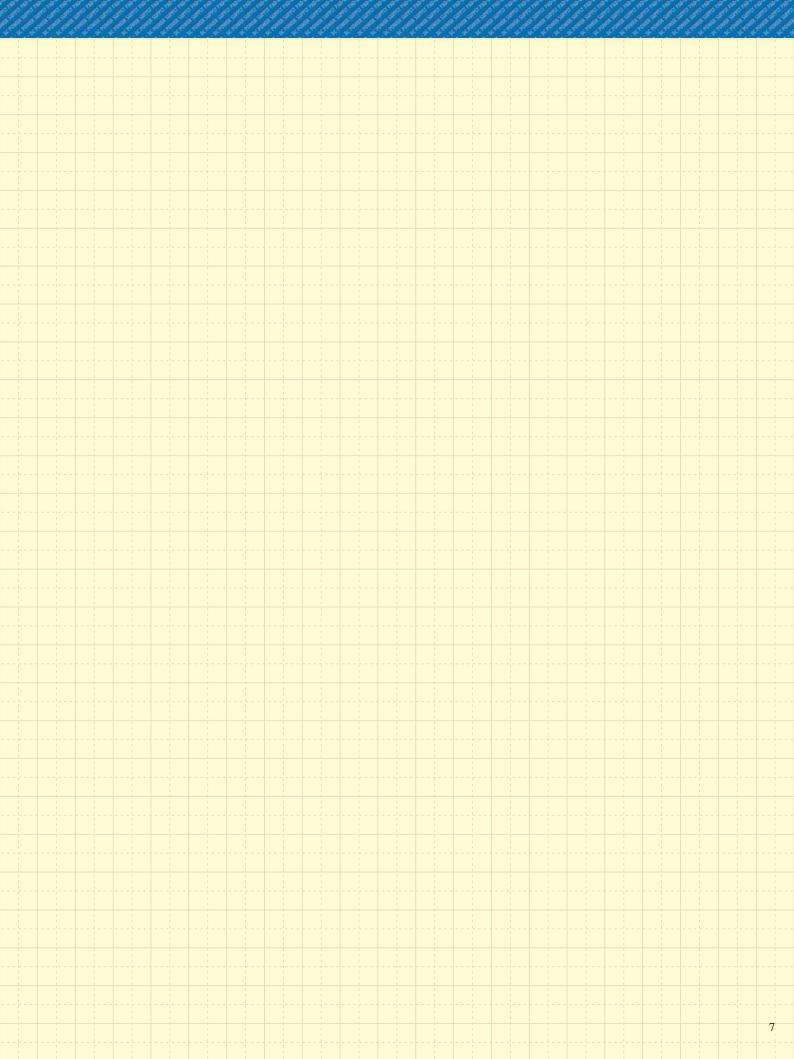
Specifications

													Τ					
	Out	tput	Rip	ople	Line regu	Ilation	Load reg	ulation	Dimenstions	Weight	Inp	out	1					
Model	CV	CC	CV	CC	CV	CC	CV	CC	_	Approx.	Voltage	Power						
	V	A	mVrms	mArms	0.005%+mV	mA	0.005%+mV	mA	Туре	kg	V±10%	kVA	-					
PAD16-100LA	0 to 16	0 to 100	0.5	100	1	3	2	5	111	65	200	3.3	٦.,					
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	111	64	200	3.4	-					
PAD60-60LA	0 to 60	0 to 60	0.5	20	1	3	2	5	IV	96	200	6.9	1					
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	e temperature o	coefficient				Opera	ting humidity rang	ge										
50p.p.m./°C (star	ndard value)					10 to 9	90%											
Transient respon	se time					Coolir	g system											
Time until the ou	itput voltage re	ecovers to with	in 0.05%+10ı	mV of the set	value when	Force	d air cooling using	g a fan										
the output currer		to 100%.					tion devices											
50µs (standard v	(alue)					Constant voltage, constant current automatic crossover												
Ripple noise					Adjustable Overvoltage Protection circuit (OVP) (preset voltage range 10% to 110%)													
5Hz to 1MHz, ±3dB bandwidth, average value indication, measured by grounding																		
plus or minus output with an rms value display AC voltage waveform Meters							ustable Overcurre eset current range)								
Voltmeter	Maximum d	isplay Adigits					age detection circ											
	Voltmeter Maximum display 4digits Display error ±(0.5% of reading+5digit)*1							(smoothing capacitor section)										
Ammeter		isplay 4 digits					erheating protecto											
Display error ±(1% of reading+5digit)*1							niconductor cooli	ng heat sink	section									
	* 1: at 23°C	±5°C				 Ten 	nperature fuse (su	ubtransforme	er)									
Ground							Input/output fuse											
Plus or minus ter		grounded					ut surge absorber											
Isolation Voltage						Dimen												
±250V DC exclu)-8LA/PAD11	0-32LA/PAD2	50-15LA of		II:430(440)W X 2											
 which Isolation V Insulation resista 	U	V				 Iype I Access 	V:430(440)W X 4	84.6(575)H	X 465(525)Dn	1m								
Chassis-input: 50		min					tion manual : 1 co	ov. Guard a	200 · 2 000 . W	oight otickor :	1 shoot							
Output-chassis:						Type I		py, Guaru c	aps . 2 pcs , vv	eight sticker .	I Sheet							
 Withstanding vol 							cord : 3-core cabti	re cable for 2	0 VAC 1 pc. (3	3.5mm ² , app	rox . 3m)							
No abnormalities	0	C applied for	1 minute.			Type I				,,	,							
 Operating temperating 	rature range					Power	cord : Single wire	e cable 3 pc	s. (8mm², app	orox.3m), C	able clamper : 1	set						
0 to 40°C																		
Dimensi	one																	
DIIICIISI	0113												4					

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