



Internet

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**DC Power Supply**



## **Compact DC Power Supply PMC-A/PMC Series**

Both the PMC and PMC-A Series Deliver High Reliability and Sophisticated Features in a Compact Body  
Maximum Output Voltage (18V to 500V) 20 Models



# PMC-A/PMC Series

## DC Power Supply (CV/CC)

### *Basic Standard for the Compact Power Supply*

The PMC and PMC-A Series are compact, high-performance, constant voltage, constant current series regulated DC power supplies. The adoption of series regulated design realizes a highly stable output with a low level of output noise. LED digital meter which is legible even in dimly lit location, and electronic switches which eliminate relay chattering, are also featured in this series. In addition, some of the PMC-A Series are equipped with various remote control functions, and when connected with power supply controllers, allow compatibility with GPIB systems.



PMC Series

PMC-A Series

#### Features (PMC-A Series)

- Simultaneous display of voltage and current values.
- GPIB control by combining with power supply controllers.
- External analog remote control of voltage and current.
- Equipped with output monitoring function (voltage, current, status)
- Front Panel Output ON/OFF switch.
- 10-turn potentiometer for setting of voltage and current.
- Remote sensing function (Only models of which rated output voltage is 18V or 35V)
- Capacity can be expanded by Master-slave parallel operation
- Overvoltage protection (OVP) and overheating protection (OHP) are provided as standard functions.

#### Features (PMC Series)

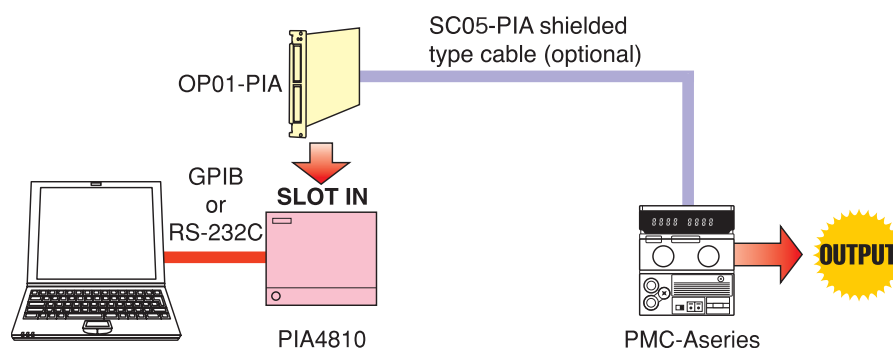
- Front panel output ON/OFF switch.
- 10-turn potentiometer for setting of voltage (single-turn potentiometer for setting of current)
- Capacity can be expanded by one-control parallel operation
- Overvoltage protection (OVP) and overheating protection (OHP) are provided as standard functions.

#### Computer Control (PMC-A series only)

The Power Supply has a capability of Computer Control by using with PIA4800 Series.

##### Description of Control

- Output Voltage setting
- Output Current setting
- Output Voltage readback
- Output Current readback
- Power switch ON/OFF monitoring
- C.V mode monitoring
- C.C mode monitoring
- Output ON/OFF monitoring
- Alarm monitoring



Model	Output		Ripple		Line Regulation		Load Regulation		Power Source*	Power Consumption	Dimen- sions	Weight
	CV	CC	CV	CC	CV	CC	CV	CC	AC	Approx.		
	V	A	mVrms	mArms	mV	mA	mV	mA	V±10%	VA	Type	kg
PMC18-1A	0 to 18	0 to 1	0.5	1	1	10	2	5	100	50	I	3.5
PMC18-2A	0 to 18	0 to 2	0.5	1	1	10	2	5	100	100	I	4.0
PMC18-3A	0 to 18	0 to 3	0.5	1	1	10	4	5	100	160	I	5.0
PMC18-5A	0 to 18	0 to 5	0.5	2	1	5	5	10	100	230	II	6.0
PMC35-0.5A	0 to 35	0 to 0.5	0.5	1	3	10	3	5	100	50	I	3.5
PMC35-1A	0 to 35	0 to 1	0.5	1	3	10	3	5	100	95	I	4.0
PMC35-2A	0 to 35	0 to 2	0.5	1	3	10	3	5	100	190	I	5.0
PMC35-3A	0 to 35	0 to 3	0.5	1	3	5	4	10	100	240	II	6.0
PMC70-1A	0 to 70	0 to 1	1	1	5	2	5	10	100	150	II	5.5
PMC110-0.6A	0 to 110	0 to 0.6	2	1	7	2	7	5	100	150	II	5.5
PMC160-0.4A	0 to 160	0 to 0.4	3	1	10	2	10	5	100	150	II	5.5
PMC250-0.25A	0 to 250	0 to 0.25	3	1	15	1	15	5	100	150	II	5.5
PMC350-0.2A	0 to 350	0 to 0.2	5	1	25	1	25	5	100	150	II	5.5
PMCS500-0.1A	0 to 500	0 to 0.1	10	1	30	1	30	3	100	110	II	5.0
PMC18-2	0 to 18	0 to 2	0.5	1	1	10	2	5	100	100	I	4.0
PMC18-3	0 to 18	0 to 3	0.5	1	1	10	4	5	100	160	I	5.0
PMC18-5	0 to 18	0 to 5	0.5	2	1	5	5	10	100	230	II	6.0
PMC35-1	0 to 35	0 to 1	0.5	1	3	10	3	5	100	95	I	4.0
PMC35-2	0 to 35	0 to 2	0.5	1	3	10	3	5	100	190	I	5.0
PMC35-3	0 to 35	0 to 3	0.5	1	3	5	4	10	100	240	II	6.0

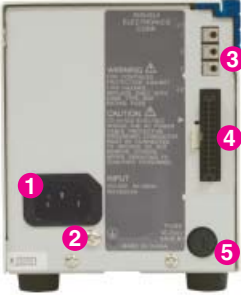
Unless otherwise specified, the specifications are based on the following conditions: resistance load, output grounded, remote sensing off, warm-up period of 30 minutes.

\*1: The number of Power Supplies that can be connected in series is limited by the voltage rating with isolation voltage. For example, for 35V type 250/35=7.14...up to seven units can be connected.

\*2: The number of Power Supplies that can be connected in parallel is limited up to four units including the master power supply.

## Rear Panel

PMC-A Series



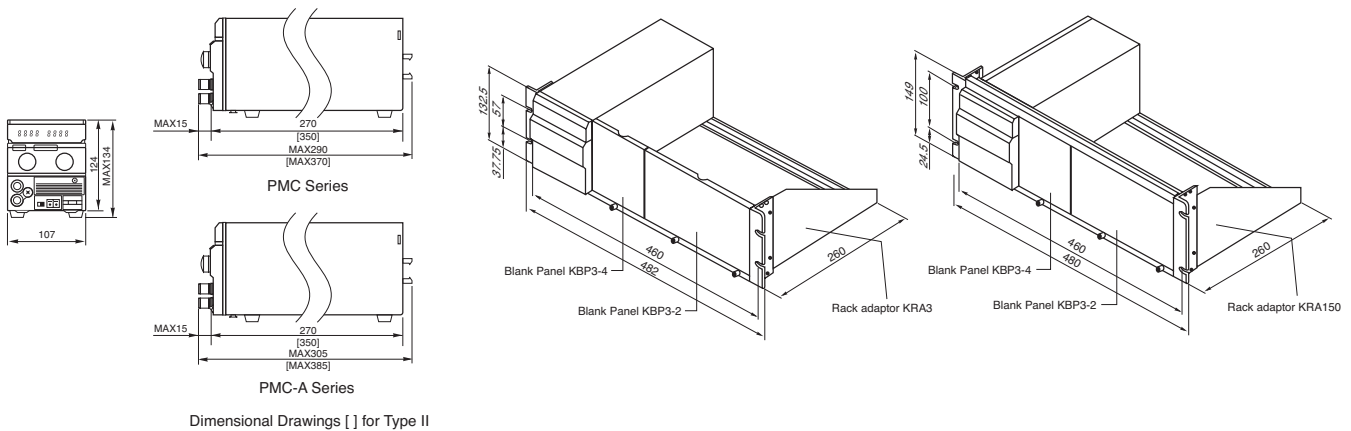
PMC Series



- ① AC input terminal
- ② Ground terminal
- ③ Master-slave parallel operation input and output terminals
- ④ Analog remote control terminal (PMC-A Series only)
- ⑤ AC input fuse holder

## PMC-A/PMC Series External Dimensional Diagrams / Rack Mount Option

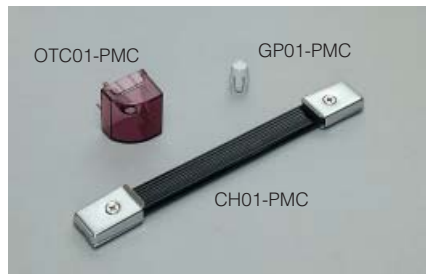
Unit:mm



## Options

- Output Terminal Cover ... OTC01-PMC
- Guard Cap..... GP01-PMC
- Carrying Handle ..... CH01-PMC

\*The CH01-PMC can be installed on the TYPE II models.



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