

PT Series

Switching Type Programmable DC Power Supply

19inch Rack Standard & Benchtop type

PT Series is a switching type programmable DC power supply. Its compact size is designed for bench top as well as 19inch rack mounted. The product line-up consists of 200W, 400W and it is best solution of low power applications. PT Series is convenient for system configuration by providing RS-232C and RS-485 communication at the same time. ODA Technologies still provides Demo S/W program by free for easy use of communication



- ① Operation state Lamp

② Left/Right Cursor Key

③ Output ON/OFF Key

④ Limit Display Key

⑤ IO/Local & Error Display Key

⑥ Protection & Lock Key

⑦ Save & Calibration Key
- ⑧ Recall & Factory Key

⑨ Power ON/OFF Switch

⑩ LCD Display

⑪ Voltage Encoder Knob

⑫ Current Encoder Knob

⑬ DC Output Terminal For Measurement(Max 10A output)
- Ⓐ RS-232C, RS-485 Interface Port

Ⓑ RS-485 Interface Port

Ⓒ AC Input

Ⓓ Analog Terminal(V-Sensing, Vout & Iout voltage programming by 0~10V or 0~5V)

Ⓔ Analog Option Terminal(Output ON/OFF control, Output Voltage & Current Monitoring by 0~5V or 0~10V)

Ⓕ Main Output Bus Bars

Standard Features

- 4-Digit Display Resolution
- 8 Character, two line LCD Display
- Adjustable Encoder For Voltage and Current setting
- CV/CC Mode
- Remote V-Sensing(Voltage drop compensation)
- OVP, OCP Protection Mode
- UVL(Under Voltage Lock), OVL(Over Voltage Lock), UCL(Under Current Lock), OCL(Over Current Lock)
- Calibration Function(Manual and PC)
- Panel Lock Function
- Memory Save & Recall Function(Up to 10 operation states)
- Output ON/OFF Function
- 11 diverse Factory Modes(User memory clear, Last state, Calibration- Restore & etc)
- RS-232C, RS-485 standard(TCP/IP is optional)
- Analog Programming(Vout & Iout voltage programming by 0~10V or 0~5V)
- Front output is also available for measurement only, max 10A
- AC Input 110~240VAC $\pm 10\%$

Options

- RJ45 to RS232C cable
- RS-232C cable
- RS-485 cable
- Analog Monitoring(Output Voltage & Current Monitoring by 0~5V or 0~10V), Isolated type
- Output ON/OFF Signal Control
- TCP/IP Communication(External Type)
- Rack Mount Bracket
- Rack Mount Shelf
- AC Power Cord(Other Type)
- AC Input 170~270VAC $\pm 10\%$

Accessories

- AC Power Cord(Type F)
- Operating Manual(QR Code)
- Demo Software Program(QR Code)

Line-Up and Specification

200W, 400W													Models in bold with* mark are CE certified.
Model	PT20-10*	PT20-20*	PT30-6.6*	PT30-13*	PT50-4*	PT50-8*	PT80-2.5	PT80-5	PT100-2	PT100-4	PT200-1	PT200-2	
Voltage	20V	30V	50V	80V	100V	200V							
Current	10A	20A	6.6A	13A	4A	8A	2.5A	5A	2A	4A	1A	2A	
Resolution	10mV 10mA	10mV 10mA	10mV 1mA	10mV 1mA	100mV 1mA	100mV 1mA							
Ripple & Noise	$\leq 10\text{mVrms}$	$\leq 10\text{mVrms}$	$\leq 15\text{mVrms}$	$\leq 10\text{mVrms}$	$\leq 10\text{mVrms}$	$\leq 15\text{mVrms}$							
Accuracy(V)	40mV	60mV	100mV	160mV	200mV	400mV							
Accuracy(C)	40mA	60mA	9.9mA	19.8mA	12mA	24mA	7.5mA	15mA	6mA	12mA	3mA	6mA	
AC Input	Single phase 110~240VAC $\pm 10\%$ / 50~60Hz												
Dimension	70mm(W) $\times$ 125.5mm(H) $\times$ 350mm(D) / 4.2kg												

© 600W, 800W and 1200W will be developed in near future