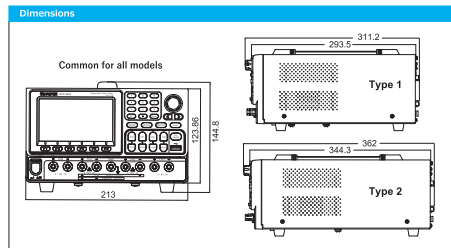


Specification	1CH Model			2CH Model	3CH Model		4CH Model		
Model name	PDW32-6SG PDW36-10SG/PDW72-5SG			PDW32-3DG	PDW32-3TG/PDW30-6TG PDW60-3TG/PDW36-5TG		PDW32-3QG		
Power function	CH	CH1	CH1/CH2	CH1/CH2	CH1/CH2	CH3	CH1/CH2	CH3	CH4
Output range	Voltage / Current	PDW32-6SG 0~32V/0~6A PDW36-10SG 0~36V/0~10A PDW72-5SG 0~72V/0~5A	0~32V/0~3A	PDW32-3TG 0~32V/0~3A PDW30-6TG 0~30V/0~6A PDW60-3TG 0~60V/0~3A PDW36-5TG 0~36V/0~5A	1.8, 2.5, 3.3, 5.0 V/5A USB port: 3A	0~32V/0~3A	0~5V 0~15V		
	Tracking Mode Series voltage /Parallel current	—	0~64V/0~6A	—	—	0~64V/0~6A	—		
	Input variation	± 0.01%+3mV ± 0.01%+5mV	± 0.01%+3mV ± 0.01%+3mV	± 0.01%+3mV ± 0.01%+3mV	± 3mV ± 5mV	± 0.01%+3mV ± 0.01%+3mV			
	CV characteristics	Ripple noise (5~1MHz) Transient response time	PDW32-6SG ≤ 0.5mVrms Other Model ≤ 2mVrms	≤ 0.35mVrms	≤ 0.35mVrms	≤ 2mVrms	≤ 0.35mVrms ≤ 1mVrms		
CC characteristics	Input variation	PDW32-6SG ± 0.2%+3mA Other Model ± 0.01%+3mV	± 0.2%+3mA	PDW32-3TG ± 0.2%+3mA Other Model ± 0.01%+3mV	—	± 0.2%+3mA			
	Load variation	PDW32-6SG ± 0.2%+3mA Other Model ± 0.01%+3mV	± 0.2%+3mA	PDW32-3TG ± 0.2%+3mA Other Model ± 0.01%+3mV	—	± 0.2%+3mA			
	Ripple noise	PDW72-5SG 2mArms Other Model 1mV/0.2mA	≤ 2mArms	PDW32-3TG 1mV/0.1mA PDW30-6TG 1mV/0.2mA PDW60-3TG 2mV/0.1mA PDW36-5TG 1mV/0.2mA	—	≤ 2mArms			
	Resolution	Setting voltage/current	PDW32-6SG, PDW36-10SG: 0.1mV/0.2mA Other Model: 0.1mV/0.1mA	1mV/0.1mA	PDW32-3TG 0.01%+3mV Other Model: 0.1mV/0.1mA	—	0.1mV/0.1mA		
Tracking errors	No load	≤ 0.1%+10mV	—	PDW32-3TG ≤ 0.1%+10mV Above value+100mV	± 0.2%+20mV ± 0.1%+10mV Above value+100mV	—	± 0.1%+10mV		
	With load	—	—	—	—	—	—		
	Parallel: CV load variation	—	± 0.01%+3mV	PDW32-3TG ± 0.01%+3mV Other Model Above value+200mV	—	± 0.01%+3mV			
	Tracking Mode	Parallel:CC input variation	—	± 0.02%+5mV	PDW32-3TG ± 0.02%+5mV PDW30-6TG ± 0.02%+5mV PDW60-3TG ± 0.01%+5mV PDW36-5TG ± 0.01%+5mV	—	± 0.02%+5mV		
Series: CV load variation	Series: CV input variation	—	± 100mV	PDW32-3TG ± 100mV Other Model ± 200mV	—	± 100mV			
	CV ripple noise (5~1MHz)	—	± 1mVrms	PDW32-3TG ± 1mVrms Other Model ± 2mVrms	—	± 1mVrms			
	Voltage setting	—	± (0.03%rdg+10mV)	—	± 5% ± 0.35V	± (0.03%rdg+10mV)			
	Current setting	—	± (0.3%rdg+10mA)	—	—	± (0.3%rdg+10mA)			
Voltage display	Voltage display	—	± (0.03%rdg+10mV)	—	—	± (0.03%rdg+10mV)			
	Current display	—	± (0.3%rdg+10mA)	—	—	± (0.3%rdg+10mA)			
	Load functions	CH1	CH1/CH2	CH1/CH2	CH1/CH2	CH1/CH2			
	Power	0~100.00W	0~50.00W	0~50.00W	0~50.00W	0~50.00W			
Input range	Voltage / Current	PDW32-6SG 1~33V/0~6.2A PDW36-10SG 1~36.5V/0~10.2A PDW72-5SG 1~72.5V/0~5.2A	1~33V/0~3.2A	PDW32-3TG 1~33V/0~3.2A PDW30-6TG 1~32V/0~6.2A PDW60-3TG 1~62V/0~3.2A PDW36-5TG 1~36.5V/0~5.2A	—	1~33V/0~3.2A			
	CV mode	Setting range: 1.500V~voltage input range, Resolution: 10mV Accuracy/Display accuracy: ± (0.1%+30mV)	—	—	—	—			
	CC mode	Setting range: Same as current input range, Resolution: 1mA, Accuracy/Display accuracy: ± (0.3%+10mA)	—	—	—	—			
	CR mode	Setting range: 1.0~1k Ω, Resolution: 1 Ω, Accuracy/Display accuracy: ± (3%+1 Ω), (± 0.1V and ± 0.1A)	—	—	—	—			
General									
Dimension W x H x D	Type 1	213 x 145 x 311.2 mm: approx.7.5kg PDW32-6SG, PDW32-3DG, PDW32-3TG, PDW32-3QG							
Weight	Type 2	213 x 145 x 362 mm: approx.10kg PDW36-10SG, PDW72-5SG, PDW30-6TG, PDW36-5TG, PDW60-3TG							
Input voltage	AC100V/120V/220V/230V ± 10%, 50Hz/60Hz, Switchable								
Power consumption	PDW32-6SG, PDW32-3DG: 360W / PDW32-3TG, PDW32-3QG: 420W / PDW36-10SG, PDW72-5SG, PDW30-6TG, PDW36-5TG, PDW60-3TG: 680W								
Insulating resistance	Between chassis and output terminal: 20M Ω or more (DC 500V), Between chassis and AC input terminal: 30M Ω or more (DC 500V)								
Use environment/storage environment	Temperature: 0~40°C, Relative humidity: 85% or less, Temperature: -10°C~+70°C, Humidity: 70% or less								



Accessory	
Power Cable, Using the product safely	1 piece each for all models
GTL-104A x 1, GTL-105A x 1	PDW32-6SG, PDW36-10SG, PDW72-5SG
GTL-104A x 2	PDW32-3D
GTL-104A x 3	PDW30-6TG, PDW32-3TG, PDW36-5TG, PDW60-3TG
GTL-104A x 2, GTL-105A x 2	PDW32-3QG
Rear output terminal connector x 1	PDW36-10SG, PDW72-5SG, PDW30-6TG, PDW36-5TG, PDW60-3TG
Short bar x 1	PDW36-5TG, PDW60-3TG
The instruction manual can be downloaded from our website.	

Accessories・Options	
USB cable (USB2.0, Type A-B, approx. 1.2m)	GTL-246
Rack mount adapter for TYPE1	EIA: GRA-437-E, JIS: GRA-437-J
Rack mount adapter for TYPE1 and TYPE2	EIA: GRA-449-E, JIS: GRA-449-J
GRA-437 / 449J	GRA-437 / 449E

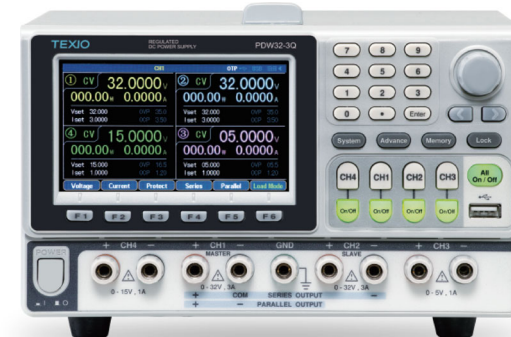


TEXIO

Test and Measurement Solutions

PDW series catalog

Multifunctional DC regulated power supply with electronic load function



Multifunctional DC regulated power supply with electronic load function

PDW Series

1ch PDW32-6GS	2ch PDW32-3DG	3ch PDW36-5TG
1ch PDW36-10SG	3ch PDW30-6TG	3ch PDW60-3TG
1ch PDW72-5SG	3ch PDW32-3TG	4ch PDW32-3QG

- High resolution: Setting 1mV/0.1mA, Reading 0.1mV/0.1mA
- Equipped with electronic load function (CH1, CH2 / CC, CV, CR mode)
- Low noise and low ripple : ≤350μVrms/≤2mArms (In the case of PDW32-3DG)
- Series/parallel tracking function (CH1-CH2)
- Delay/Monitor/Recorder function
- Protection function : OVP/OC/OTP/OPP (OPP: In electronic load operation)
- Sequence function (CH1・CH2)
- Internal memory (Panel setting/Sequence/Delay/Recorder)
- Output power from the USB power supply port (3CH Model)
- Voltage remote sense function (1CH Model, 3CH Model except PDW32-3TG and PDW32-3QG)
- 4.3 inch color TFT LCD
- Standard Interface : USB, RS-232C, GP-IB, LAN, External I/O

TEXIO

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<https://www.texio.co.jp>

Panel description



※The image is PDW32-3QG.

※The image is of housing size Type 2.

- | | | | |
|-----------------------|---------------------------------------|------------------------------|--|
| 1. 4.3 inch color LCD | 5. USB host port | 9. Input voltage switch | 13. External I/O port |
| 2. 10 key | 6. Front output | 10. AC input terminal & FUSE | 14. GP-IB port |
| 3. Function key | 7. Power switch | 11. RS-232C port | 15. LAN port |
| 4. Output ON/OFF key | 8. Power supply port (3CH Model only) | 12. USB device port | 16. Rear output (Housing size Type 2 only) |

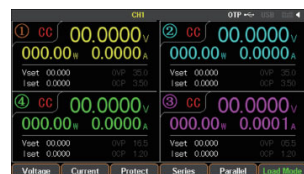
Overview



The PDW series is a low-noise, low-ripple, multi-output, high-resolution DC stabilized power supply that uses a dropper method. All models are equipped with an electronic load function (CH1 and CH2, CH1 model only CH1), allowing power supply and discharge operations with one unit. It is designed to support a variety of tests with its rich functionality, including battery charge/discharge tests and various standard communication interfaces and sequences.

Model name	Output	CH1	CH2	CH3	CH4	Housing size	Note	Front output terminal shape
PDW32-6SG	1	0-32V 0-6A	—	—	—	Type 1	With sensing function	
PDW36-10SG	1	0-36V 0-10A	—	—	—	Type 2	With sensing function	
PDW72-5SG	1	0-72V 0-5A	—	—	—	Type 2	With sensing function	
PDW32-3DG	2	0-32V 0-3A	0-32V 0-3A	—	—	Type 1	—	
PDW30-6TG	3	0-30V 0-6A	0-30V 0-6A	1.8/2.5/3.3/5V 5A	—	Type 2	CH3 is set value fixed With sensing function	
PDW32-3TG	3	0-32V 0-3A	0-32V 0-3A	1.8/2.5/3.3/5V 5A	—	Type 1	CH3 is set value fixed	
PDW36-5TG	3	0-36V 0-5A	0-36V 0-5A	1.8/2.5/3.3/5V 5A	—	Type 2	CH3 is set value fixed With sensing function	
PDW60-3TG	3	0-60V 0-3A	0-60V 0-3A	1.8/2.5/3.3/5V 5A	—	Type 2	CH3 is set value fixed With sensing function	
PDW32-3QG	4	0-32V 0-3A	0-32V 0-3A	0-5V 0-1A	0-15V 0-1A	Type 1	—	

Multi-channel & high-resolution settings and measurements



• Reading resolution

Voltage : 0.1mV
Current : 0.1mA or 0.2mA

• Setting resolution

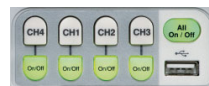
Voltage : 1mV or 2mV
Current : 0.1mA or 0.2mA

• Reading accuracy

Voltage : $\pm(0.03\% \text{ reading} + 10\text{mV})$
Current : $\pm(0.3\% \text{ reading} + 10\text{mA})$

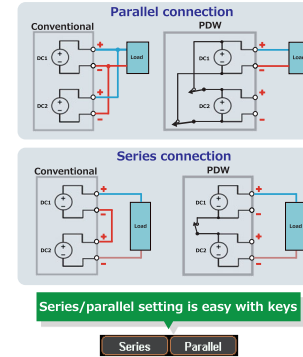
Reading and setting resolution varies by model. For details, please refer to the resolution in the rating column.

Each output of the PDW series has high resolution for setting/reading (monitor display) and allows detailed control, which can be easily performed using 10 keys. Each channel is isolated and can be operated independently, and output ON/OFF can be controlled individually or collectively.



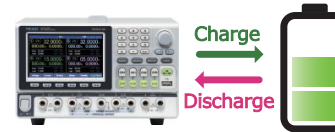
Series and parallel tracking operation

The PDW series is equipped with serial/parallel connections for internal connections. Normal series/parallel connection of two power supplies requires a separate interconnection between the two units, but by providing an internal connection switching function, external connections between each other are no longer required, making it easier. It has become. (Excluding 1CH model)



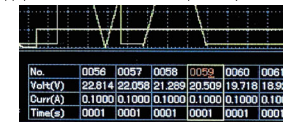
Electronic load function

CH1 and CH2 can be switched to electronic load mode. The electronic load function has a maximum of 50W (1CH model is 100W) and supports three modes: CV/CC/CR. Also, mixed operation is possible, such as outputting CH1 as a DC stabilized power supply while operating CH2 as an electronic load.



Sequence

CH1 and CH2 are equipped with a sequence output function. The sequence function is a function that sets the power supply output voltage and current for each step and executes them in order, and electronic load functions (CV/CC) can also be operated. The step time width can be set between 1 and 300 seconds, and the maximum number of steps is 2048. Eight basic shapes (ramp waves, etc.) are built-in for continuous changes and can be easily edited. Up to 10 edited sequence data can be saved internally, and can also be saved and read as a CSV file using a USB memory. (Switching between power supply and electronic load is not possible)



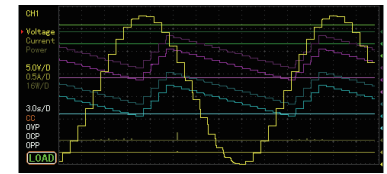
Communication interface and programmable I/O



As communication interfaces, RS-232C, USB, LAN, and GP-IB are standard equipment. The programmable I/O for remote control has 5 ports and can be configured as either input or output. When setting input, ON/OFF control of each channel, switching of power supply/electronic load mode, etc. can be controlled with H/L. When setting the output, it is possible to output a signal when the set power status (voltage, current, power, ON/OFF) is met.

Various display functions

The 4.3-inch color LCD screen allows for a variety of displays. In addition to the normal numerical display, it is also possible to display a graph of the output monitor waveform.



Recorder

A	B	C	D
1 Function: Recorder	1		
2 Period	1800		
3 Groups	1800		
4 CH1:			
5 Voltage(V)	Current(A)	Power(W)	
6 4.7	2.1	10.0	
7 4.7	2.1	10.0	
8 5.5	1.8	10.0	
9 5.5	1.8	10.0	
10 10.0	1.0	10.0	
11 10.0	1.0	10.0	
12 12.0	0.8	10.0	
13 12.0	0.8	10.0	

It has a record function of output voltage and current values for long-term output confirmation. Sampling can be set between 1 and 300 seconds, and a maximum of 204,800 records can be recorded. (When using USB memory)

Recording results can be written to internal memory or USB memory (CSV file).
※This function cannot be used on CH3 of the 3CH Model.

USB power supply port

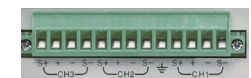
The 3CH model can be output as a USB power supply port through the USB terminal. (Max 3A)

※When used together with the CH3 power supply terminal, the maximum capacity is 5A including the USB port.



Rear output with remote sensing

The Type 2 model has a rear output terminal with remote sensing function. The power output can be selected from the front terminal or the rear terminal.



※Housing size Type 2 model

