

GPD-Series Specifications

The specifications apply when the GPD-Series is powered on for at least 30 minutes under +20°C~+30°C.

	GPD-4303S			GPD-3303S			GPD-2303S		GPD-3303D			
OUTPUT												
Channel	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH1	CH2	CH1	CH2	CH3
Voltage	0~30V		0~5V / 5.001~10 V	0~5V	0~30V		2.5V/ 3.3V / 5.0V	0~30V		0~30V		2.5V/ 3.3V / 5.0V
Current	0~3A		0~3A / 0~1A	0~1A	0~3A		0~3A	0~3A		0~3A		0~3A
CONSTANT VOLTAGE OPERATION												
Regulation	Line Regulation $\leq 0.01\%+3\text{mV}$											
	Load Regulation $\leq 0.01\%+3\text{mV}$ (rating current $\leq 3\text{A}$)											
	$\leq 0.02\%+5\text{mV}$ (rating current $>3\text{A}$)											
Ripple	$\leq 1\text{mVrms}$ (5Hz~1MHz)											
Noise	$\leq 10\text{mVpp}$ (5Hz~1MHz)											
Recover Time	$\leq 100\mu\text{s}$ (50% Load Change, Minimum Load 0.5A)											
Temp. Coefficient	$\leq 300\text{ppm} / ^\circ\text{C}$											
Output Range	0 to rating current continuously adjustable											
CONSTANT CURRENT OPERATION												
Regulation	Line Regulation $\leq 0.2\%+3\text{mA}$											
	Load Regulation $\leq 0.2\%+3\text{mA}$											
Ripple Current	$\leq 3\text{mA}_{\text{rms}}$											
Output Range	0 to rating current continuously adjustable											
TRACKING OPERATION												
Regulation of PAR	Line Regulation $\leq 0.01\%+3\text{mV}$											
	Load Regulation $\leq 0.01\%+3\text{mV}$ (rating current $\leq 3\text{A}$)											
	$\leq 0.02\%+5\text{mV}$ (rating current $>3\text{A}$)											
Regulation of SER	Line Regulation $\leq 0.01\%+5\text{mV}$											
	Load Regulation $\leq 100\text{mV}$											
	Tracking Error $\leq 0.5\%\pm 10\text{mV}$ (10V~30V no load)											
	with load added $\leq 300\text{mV}$											
	$\leq 0.5\%\pm 30\text{mV}$ (0V~9.99V no load)											
	with load added $\leq 300\text{mV}$											
Tracking Error	$\leq 0.1\%+10\text{mV}$ of Master(0~30V)(No Load, with load add load regulation $\leq 100\text{mV}$)											
METER												
Display	Voltage:4 3/4 digits 0.4" LED Display						Voltage:2 3/4 digits 0.4" LED Display					

	Current:3 3/4 digits 0.4" LED Display	Current:2 3/4 digits 0.4" LED Display
Resolution	Voltage:1mV	Voltage:100mV
	Current:1mA	Current:10mA
Program		
Accuracy(25±5 °C)	Voltage: ±(0.03% of RDG+ 10 digits)	Voltage: ±(0.5% of RDG+ 2 digits)
	Current: ±(0.3% of RDG + 10 digits)	Current: ±(0.5% of RDG+ 2 digits)
Readback		
Accuracy(25±5 °C)	Voltage: ±(0.03% of RDG+ 10 digits)	Voltage: ±(0.5% of RDG+ 2 digits)
	Current: ±(0.3% of RDG + 10 digits)	Current: ±(0.5% of RDG+ 2 digits)
CH3 SPECIFICATIONS		
Output Voltage	(2.5V/3.3V/5.0V)±8%	
Output Current	3A	
Regulation(25±5 °C)	Line Regulation ≤5mV	
	Load Regulation ≤15mV	
Ripple & Noise	≤2mVrms	
KEY LOCK		
Yes		
MEMORY SAVE / RECALL		
4 Sets		
POWER SOURCE		
AC 100V/120V/220V/230V±10%,50/60Hz		
DIMENSION & WEIGHT		
210(W) x 130(H) x 265(D) mm, Approx .7 kg		

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