

GPC-Series Specifications

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

DC OUTPUT		
	CH1 / CH2	CH3
GPC-1850D	0~18V/0~5A	5V/3A Max
GPC-3030D	0~30V/0~3A	5V/3A Max
GPC-6030D	0~60V/0~3A	5V/3A Max
GPC-3060D	0~30V/0~6A	5V/3A Max
GPC-3030DQ	0~30V/0~3A	5V/3A Max
OPERATION MODE		
Independent	Two independent outputs and 5V fixed output Output from 0 to rating volts and 0 to rating amperes	
Ch1/Ch2 Series	Output from 0 to rating volts at rating amperes each Output from 0 to double rating volts at rating amperes	
Ch1/Ch2 Parallel	Output from 0 to double rating amperes at rating volts	
CONSTANT VOLTAGE OPERATION		
Line Regulation	$\leq 0.01\%+3\text{mV}$	
Load Regulation	$\leq 0.01\% + 3\text{mV}$ (rating current $\leq 3\text{A}$) $\leq 0.01\% + 5\text{mV}$ (rating current $\leq 10\text{A}$) $\leq 0.02\% + 5\text{mV}$ (rating current $\geq 10\text{A}$)	
Ripple & Noise	$\leq 1\text{mVrms}$ 5Hz ~ 1MHz	
Recovery Time	$\leq 100\mu\text{S}$ (50% load change, minimum load 0.5A)	
CONSTANT CURRENT OPERATION		
Regulation	Line regulation $\leq 0.2\% + 3\text{mA}$ Load regulation $0.2\% + 3\text{mA}$ (for GPC-1850D/GPC-3030D/GPC-3030DQ) Load regulation $0.2\% + 5\text{mA}$ (for GPC-3060D/GPC-6030D)	
Ripple Current	$\leq 3\text{mA}_{\text{rms}}$	
5V FIXED OUTPUT		
Regulation	Line regulation $\leq 5\text{mV}$ Load regulation $\leq 10\text{mV}$	
Ripple & Noise	$\leq 2\text{mVrms}$	
Voltage Accuracy	$5\text{V}\pm 0.25\text{V}$	
Output Current	3A	
TRACKING OPERATION		
Tracking Error	$\leq 0.5\% + 10\text{mV}$ of the master	
Series Regulation	$\leq 300\text{mV}$	
METER		
Type	3 1/2 digits 0.5" LED display 3 1/2 digits 0.39" LED display (for GPC-3030DQ)	
Accuracy	$\pm(0.5\% \text{ of rdg} + 2 \text{ digits})$	
INSULATION		

Chassis and Terminal	20M Ω or above (DC 500V) 100M Ω or above (DC 1000V)(for GPC-3060D/6030D)
Chassis and AC Cord	30M Ω or above (DC 500V) 100M Ω or above (DC 1000V)(for GPC-3060D/6030D)
POWER SOURCE	
	AC 100V/120V/220V/240V $\pm$ 10%, 50/60Hz
DIMENSIONS & WEIGHT	
	255(W) x 145(H) x 420(D) mm