

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		
channel	CH1 / CH2	CH3
GPC-6030D	0~60V/0~3A	5V/3A Max
GPC-3060D	0~30V/0~6A	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 $0.2\% + 5\text{mA}$	
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	5V \pm 0.25V	
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
Accuracy	±(0.5% of rdg + 2 digits)
INSULATION	
Chassis and Terminal	100MΩ or above (DC 1000V)
Chassis and AC Cord	100MΩ or above (DC 1000V)
General	
Line in Power Supply	AC 100V/120V/220V/240V ±10%, 50/60Hz
Dimensions & Weight	255(W) x 145(H) x 420(D) mm