

Model: GP-CCP040P Series

■ Features

- Universal AC Input Range 90~264VAC.
- Constant Current mode.
- Active PFC design.
- Protections: OVP / SCP.
- Fully Insulated Case with IP67 rated.
- Meet application for ErP (EU) 2019/2020.
- No-Load power consumption < 0.5W at 230VAC.
- Set up time < 0.5S at 230VAC.
- Suitable for High Brightness Light-Emitting Diode products.

■ Approvals

CE FC SELV IP67



■ Size

110*35*25 mm (L*W*H)



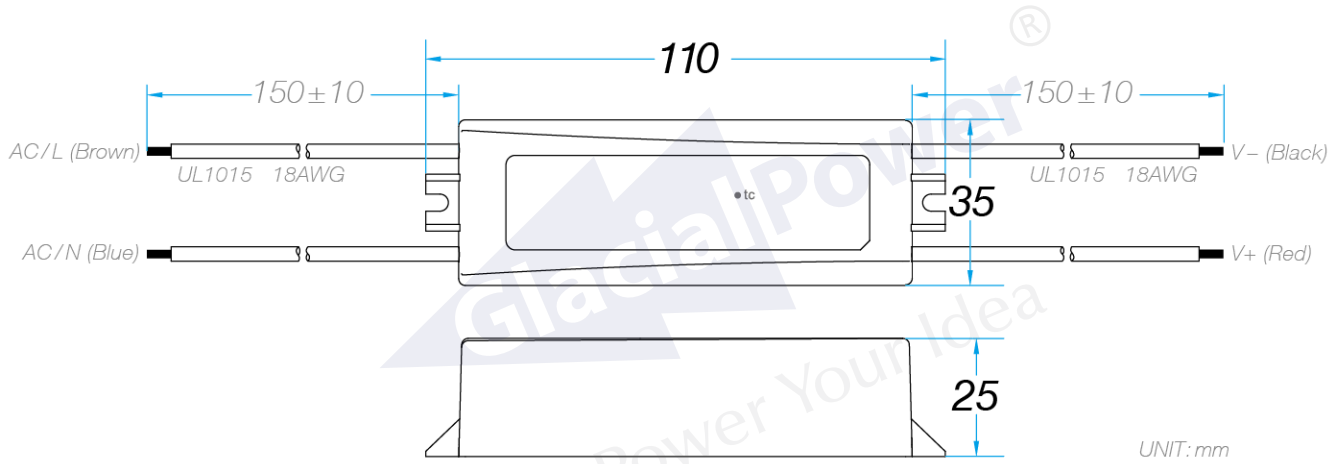
■ Specifications

GP-CCP040P-xxC-P02 (xx: for Output Voltage)

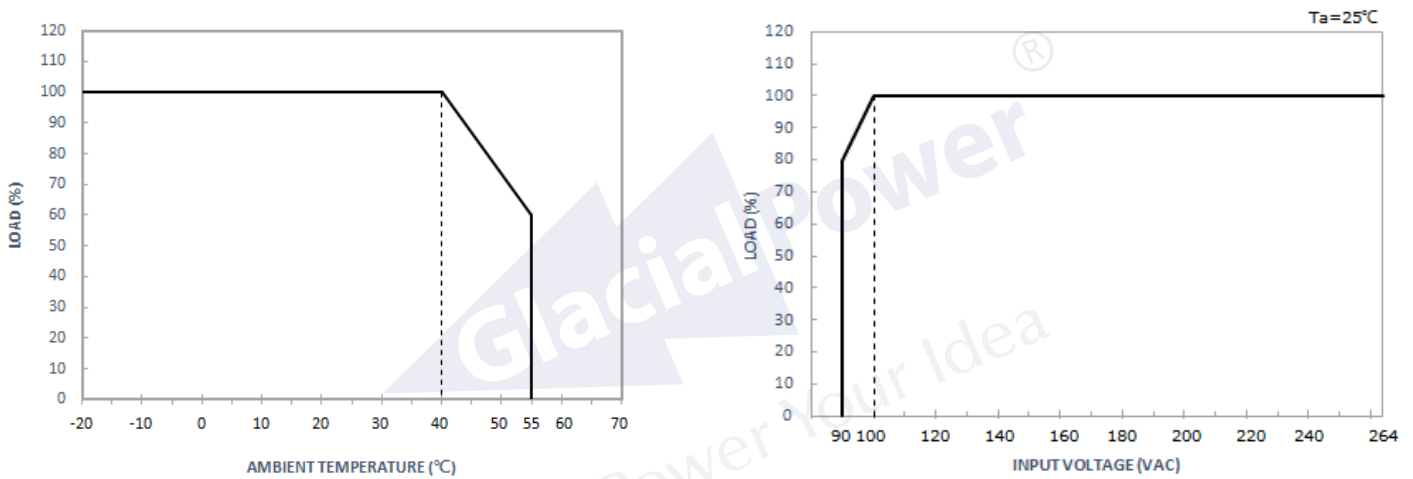
Model No.		GP-CCP040P-24C-P02	GP-CCP040P-40C-P02	GP-CCP040P-40C1-P02
Output	DC Voltage	24V	40V	40V
	Constant Current Region <small>Note.3</small>	8~24V	12 ~ 40V	12 ~ 40V
	Rated Current	1.67A	1.05A	0.9A
	Rated Power	40W	42W	36W
	Ripple & Noise (Max.) <small>Note.2</small>	200mV	200mV	200mV
	Efficiency (Typ.)	84%	84%	85%
	Current Tolerance <small>Note.3</small>	± 5%	± 5%	± 5%
	Set up Time (Max)	< 0.5S / 230VAC, at full load.		
Input	Rated Voltage	100 ~ 240VAC 141~340VDC		
	Voltage Range	90 ~ 264VAC		
	Frequency Range	47 Hz ~ 63 Hz		
	AC Current (Typ.)	0.48A at 115VAC, 0.24A at 230VAC	0.48A at 115VAC, 0.24A at 230VAC	0.42A at 115VAC, 0.22A at 230VAC
	Power Factor	>0.95 at 115VAC, >0.9 at 230VAC at full load.		
	Total Harmonic Distortion	THD < 10% at 230VAC, full load.		
	No-Load Power Consumption	< 0.5W at 230VAC		
	Inrush Current (Typ.)	Cold Start 25A (Td=40us measured at 50% Ipeak) at 230VAC		
	Max. Number of PSUs on Circuit Breaker	B type : 21 units (10A) / 34 units (16A) / 53 units (25A), C type : 21 units (10A) / 34 units (16A) / 53 units (25A), D type : 34 units (16A) / 53 units (25A) at 230VAC		
Leakage Current (Typ.)	<1mA / 230VAC			
Protections	Short Circuit	Type: Recovers automatically after fault condition is removed		
	Over Voltage	26.4V~36V	44V~60V	44V~60V
		Type: Output Voltage limiting, auto-recovery		

Model No.		GP-CCP040P-52C -P02	GP-CCP040P-52C1 -P02	GP-CCP040P-52C2 -P02	GP-CCP040P-52C3 -P02
Output	DC Voltage	52V	52V	52V	52V
	Constant Current Region <small>Note.3</small>	22 ~ 52V	22 ~ 52V	22 ~ 52V	22 ~ 52V
	Rated Current	0.8A	0.7A	0.6A	0.5A
	Rated Power	41.6W	36.4W	31.2W	26W
	Ripple & Noise (Max.) <small>Note.2</small>	200mV	200mV	200mV	200mV
	Efficiency (Typ.)	86%	86%	85%	84%
	Current Tolerance <small>Note.3</small>	± 5%	± 5%	± 5%	± 5%
	Set up Time (Max)	< 0.5S / 230VAC, at full load.			
Input	Rated Voltage	100 ~ 240VAC 141~340VDC			
	Voltage Range	90 ~ 264VAC			
	Frequency Range	47 Hz ~ 63 Hz			
	AC Current (Typ.)	0.48A at 115VAC, 0.24A at 230VAC	0.42A at 115VAC, 0.22A at 230VAC	0.36A at 115VAC, 0.18A at 230VAC	0.30A at 115VAC, 0.16A at 230VAC
	Power Factor	>0.95 at 115VAC, >0.9 at 230VAC at full load.			
	Total Harmonic Distortion	THD < 10% at 230VAC, full load.			
	No-Load Power Consumption	< 0.5W at 230VAC			
	Inrush Current (Typ.)	Cold Start 25A (Td=40us measured at 50% Ipeak) at 230VAC			
	Max. Number of PSUs on Circuit Breaker	B type : 21 units (10A) / 34 units (16A) / 53 units (25A), C type : 21 units (10A) / 34 units (16A) / 53 units (25A), D type : 34 units (16A) / 53 units (25A) at 230VAC			
	Leakage Current (Typ.)	<1mA / 230VAC			
Protections	Short Circuit	Type: Recovers automatically after fault condition is removed			
	Over Voltage	57.2V~78V	57.2V~78V	57.2V~78V	57.2V~78V
Environment	Operation Temp.	-20 ~ +40°C(Refer to output load derating curve).			
	Operation Humidity	20% ~ 90% RH non-condensing.			
	Storage Temp.	-40 ~ +80°C			
	Storage Humidity	10% ~ 90% RH			
	Vibration	10 ~ 500 Hz, 2G 10 min. / 1 cycle, period for 60 min. each along X, Y, Z axes.			
Safety & EMC	Safety Standards	Compliance EN61347-1,EN61347-2-13 , IP67 Approved.			
	Withstand Voltage	I/P-O/P: 3.75KVAC			
	Isolation Resistance	I/P-O/P :100M ohms / 500V DC at 25°C			
	EMI Conduction & Radiation	Compliance to EN55015			
	Harmonic Current	Compliance to EN61000-3-2 Class C(100% load), EN61000-3-3			
	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11;EN61547			
Others	MTBF	100K hours min.MIL-HDBK-217F(25°C)			
	Dimension(L x W x H)	110 x 35 x 25mm; 156g/pcs			
Note	<p>1. All parameters not specially mentioned are measured at 230VAC full load and 25°C ambient temperature.</p> <p>2. Ripple & Noise are measured at 20MHz bandwidth by using a 12" twisted pair-wire terminated with 0.1uf & 47uf parallel capacitor.</p> <p>3. Constant current operation region is within the specified output voltage range above. This is the suitable operation region for LED related applications.</p> <p>4. The power supply is considered a component which will be installed a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.</p>				

■ **Mechanical Specification**

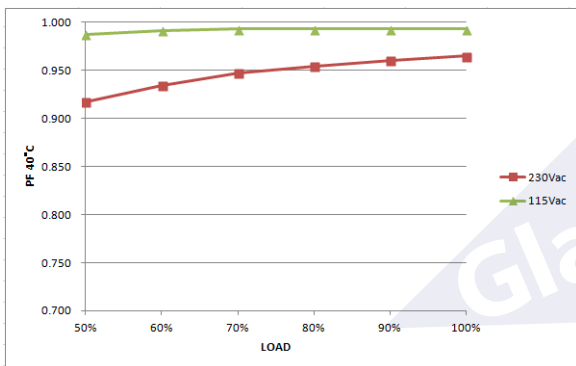


■ **Derating Curve**



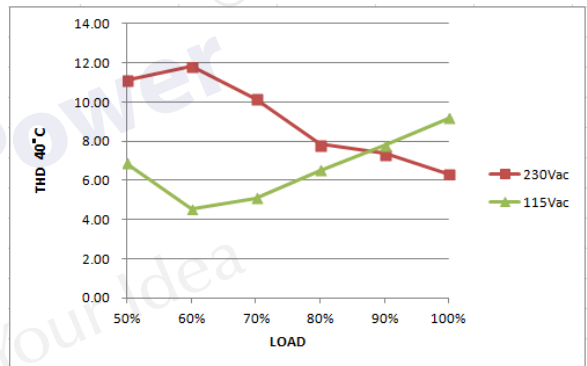
Power Factor (PF) Characteristic (※Ta at 40°C)

GP-CCP040P-52C1-P02 Model



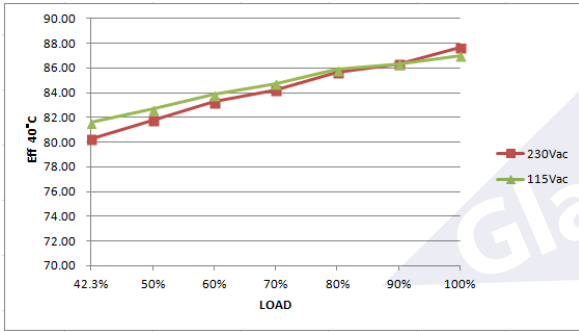
Total Harmonic Distortion (THD) (※Ta at 40°C)

GP-CCP040P-52C1-P02 Model



Efficiency vs Load (※Ta at 40°C)

GP-CCP040P-52C1-P02 Model



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