

# COTEK 100W Single Output Power Supply - GE series

## Features:

- Green design, No-load power consumption < 0.5W
- Universal AC input / Full range
- Protections: Short circuit / Over load / Over voltage  
Brown-out ( Low AC Input voltage )
- Cooling by free air convection
- Power ON with LED indicator
- All using 105°C long life electrolytic capacitors
- High operation temperature up to 70°C
- 100% full load burn-in test
- Withstand 5G vibration test
- High efficiency , long life and high reliability
- 3 years warranty



Model No.	GE-100-3-3	GE-100-05	GE-100-12	GE-100-15	GE-100-24	GE-100-48	
Output	DC Voltage Range	3.3V	5V	12V	15V	24V	48V
	Rated Current	20A	16A	8.5A	7A	4.5A	2.3A
	Current Range	0~ 20A	0 ~ 16A	0 ~ .85A	0 ~7A	0 ~4.5A	0 ~ 2.3A
	Rated Power	66W	80W	102W	105W	108W	110W
	Ripple & Noise (max.)	80 mW	80 mV	120 mV	120 mV	120 mV	200 mV
	Voltage Adjustment Range	±10%					
	Voltage Tolerance	±3%	±2%	±1%	±1%	±1%	±1%
	Line Regulation	±0.5%					
	Load Regulation	±2.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%
	Setup, Rise Time	800 ms, 50 ms/230VAC		1000 ms, 65ms/115 VAC at full load			
Hold Time	80ms / 230 VAC		10 ms / 115VAC at full load				
Input	Voltage Range	88V ~ 264VAC 125 ~ 373VDC (Over 280VAC protections)					
	Frequency Range	47Hz ~ 63Hz					
	Efficiency (Typ.) at 230Vac	70%	80%	86%	88%	88%	89%
	AC Current (Typ.)	2.5 A / 115VAC		1.4A / 230VAC			
	Inrush Current (Typ.)	Cold Start 40A / 230VAC					
	Leakage Current	< 2 mA / 240VAC					
Protection	Over Load	110 ~ 180% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed					
	Over Voltage	115%~140% rated output voltage Protection type : latch-off mode					
Environment	Working Temp.	- 20°C ~ 70°C (Refer to output load de-rating curve)					
	Working Humidity	20 ~ 90% RH non-condensing					
	Storage Temp., Humidity	- 40 ~ +85°C					
	Temp.Coefficient	±0.03%/°C (0 ~ 50°C)					
Safety & EMC	Vibration	10 ~ 500Hz, 5G 10min/1cycle, period for 60 min each along X, Y, Z axes					
	Safety Standards	UL60950-1 / TUV EN60950-1					
	Green Energy	ENERGY STAR® Single Voltage External AC - DC and AC - AC Power Supplies Eligibility Criteria (Version 1.1)					
	Withstand Voltage	I/P - O/P:3KVAC I/P - FG:1.5KVAC O/P-FG:0.5KVAC, 1 minute					
	Isolation Resistance	I/P - O/P, I/P - FG, O/P - FG:100M Ohms/500VDC					
	EMI Conduction & Radiation	EN55022 : 1998+A1 : 2000+A2 : 2003 Class B					
	Harmonic Current	EN61000-3-2 :2000+A2:2005 Class A, EN61000-3-3 : 1995+A1 :2001					
Others	EMS Immunity	EN61204-3 : 2000 EN50204 1998+A1 : 2001+A2 : 2003 light industry level, criteria A					
	MTBF	620.3K HRS Compliance: MIL-HDBK-217F					
	Dimension (L*W*H)(mm)	129*98*38					
	Packing	0.45kg : 30Pcs/15kg					

\*Note:The specifications are subject to change without ontice.