



Shenzhen RGX Electronics Co., Ltd.

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200W 40A 5V Ultrathin LED Power Supply Specifications

Output Specifications			
Item	RGX-5V200W		
Output voltage	5V	Rated Current	40A
Rated Power	200W	Current Range	0-40A
Voltage Tolerance	±0.1%	Ripple and Noise(max)Note.2	120mVp-p
Load Regulation	±0.5%	Line Regulation	±0.5%
Hold up time(Typ.)	50ms/230VAC 16ms/115VAC at full load	Efficiency	>90%

Input Specifications			
Voltage Range	200-240VAC	Frequency Range	47~63Hz
Setup, Rise time note.6	500ms 20ms/230VAC 500ms 20ms/115VAC at full load (for 11.6~12.4V); 500ms 20ms/230VAC 500ms 20ms/115VAC at full load (for 11.6~12.4V)		
AC Current	5.72A/175V 4.4A/230V		
Inrush Current (max.)	Cold star 4.2A/115V 2.1A/230V		
Leakage Current	0.5mA/250VAC		

Protection	
Over Current	105 ~ 150% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed
Over Voltage	5.8~6.2V Protection type: Shut down o/p voltage, re-power on to recover.
Short Circuit	Auto Recover
Protection grade	IP 20

Environment			
Working Temp	-25~80°C Refer to output load derating curve	Working Humidity	20~95% RH-no condensation
Storage Temp/Humidity	-40~+80°C, 10~95% RH	Temp.Coefficient	±0.03%/°C(0~50°C)
Vibration Frequency	10~500Hz, 2G 10min./1 cycle, period for 60min. each long X, Y, Z axes.		

Reference Standards	
Safety Standard	UL60950 879 1310 Class 2, CAN/CSA C22.2 No.222-M91, IP65 approved, Design refer to TUV EN61347-2-13
Withstand Voltage	I/P-O/P: 3KVAC
Isolation Resistance	I/P-O/P: >100M Ohms / 500VDC / 25°C / 70% RH
EMI Condition and Radiation	Compliance to EN55022(CISPR22) Class B
Harmonic Current	Compliance to EN61000-3-2, -3
EMC Immunity	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11; ENV50204, EN55024, light industry level, criteria A

Others	
MTBF	732Khrs min. MIL-HDBK-217F (25°C)
HS Code	8504401400
Working Life	110000 Hours
Warranty	3 years
Housing	Aluminum
Cooling	Convection
Product Dimension (L*W*H)	190*80*31 mm
Product Weight	0.47 kg
Standard Packing	White box, 1 PC in a box, 50 boxes in a Carton

Issued by: RGX Marketing Dep. Email: rgxled@rgxled.com