

200Watts Single Output LED Driver



Features:

- Constant Current Design
- Universal AC input/ Full Range
- Built-in Active PFC function, PF 0.99 Typical
- High Efficiency (Up to 92%)
- Output Protections: OVP/SCP/OTP
- Lightning Protection
- Waterproof (IP67)
- 5 Year Warranty



Model		PLC-200S070	PLC-200S105	PLC-200S140	PLC-200S175	PLC-200S210	PLC-200S245	PLC-200S280	PLC-200S315	PLC-200S350	PLC-200S420	PLC-200S490	PLC-200S560	PLC-200S630	PLC-200S833
Output Characteristics															
Rated Current		0.70A	1.05A	1.40A	1.75A	2.10A	2.45A	2.80A	3.15A	3.50A	4.20A	4.90A	5.60A	6.30A	8.33A
Voltage Range		171~285V	114~190V	85~142V	68~114V	57~95V	48~81V	42~71V	38~63V	34~57V	28~47V	24~40V	21~35V	19~32V	14~24V
Ripple and Noise (max) Note 1		±10% Vo													
Voltage Accuracy		±5% Vo													
Line Regulation		±1% Vo													
Load Regulation		±3% Vo													
Rise Time		20mS Max @ Rated Load													
Hold-up Time (Typ.)		8.5mS Min (110VAC input, full load), 10mS Min (220VAC input, full load)													
Input Characteristics															
Voltage Range		90VAC~305VAC													
Frequency Range		47Hz-63Hz													
Power Factor (Typical)	110VAC	>0.99	>0.99	>0.99	>0.99	>0.99	>0.99	>0.99	>0.99	>0.99	>0.99	>0.99	>0.99	>0.99	>0.99
	220VAC	>0.95	>0.95	>0.95	>0.95	>0.95	>0.95	>0.95	>0.95	>0.95	>0.95	>0.95	>0.95	>0.95	>0.95
Efficiency (Typical)		92%	92%	92%	92%	91%	91%	91%	91%	91%	91%	91%	91%	91%	90%
AC Current (max)		1.0A @ 100-277VAC Input Full Load													
Inrush Current (max)		75A @ 230VAC, 25°C													
Leakage Current		1.0mA max @ 277VAC													
Protection															
Over Temperature (OTP)		110°C (Temperature of internal components); shut down, auto recover after the temperature decreases													
Over Voltage (OVP) Note 2		1.2~1.4Vo													
Short Circuit (SCP)		Long-term mode, auto recovery													
Environmental Characteristics															
Operating Temperature		-35°C~70°C													
Operating Relative Humidity		10% RH to 100% RH													
Storage Temperature		-40°C~85°C, 5% to 100% RH non-condensing													
Vibration		10 to 300Hz sweep at constant acceleration of 1.0G(Breadth: 3.5mm) for 1 Hour for each of the perpendicular axes X, Y, Z													
Waterproof Rating		IP67													
Safety Standards		UL8750, Compliance to UL1012 UL935, IEC61347													
Withstand Voltage		L/N-GND: 4kV, L-N: 2kV													
Isolation Resistance		I/P-O/P: >100M Ohms / 500VDC / 25°C / 70% RH													
EMC Emission		Compliance to EN55022(CISPR22) Class B, EN61000-3-2 Class A, EN61000-3-3													
EMC Immunity		Compliance to EN61000-3-2, 3 EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61547													
Characteristics															
Life Time		More than 50,000Hrs (25°C, 80% Load)													
MTBF (MIL-HDBK-217F)		More than 320,000Hrs (25°C, 80% Load)													
Dimension (LxWxH)		266.4x79.5x46mm													
Note		1. Ripple & Noise: Measured by 20 MHz bandwidth oscilloscope and the output paralleled with a 0.1 uF ceramic capacitor and a 10 uF electrolytic capacitor. 2. Latch Mode: The power supply shall return to normal operation only after the power is turned on again													

MECHANICAL SPECIFICATIONS

UNIT: mm

