

SINGLE OUTPUT LED POWER SUPPLY

ALIM. PLC-30

30W



	003792							
Model	PLC-30-9	PLC-30-12	PLC-30-15	PLC-30-20	PLC-30-24	PLC-30-27	PLC-30-36	PLC-30-48
OUTPUT								
DC Voltage	9V	12V	15V	20V	24V	27V	36V	48V
Constant Current Region Note.6	6.3 ~ 9V	8.4 ~ 12V	10.5 ~ 15V	14 ~ 20V	16.8 ~ 24V	18.9 ~ 27V	25.2 ~ 36V	33.6 ~ 48V
Rated Current	3.3A	2.5A	2A	1.5A	1.25A	1.12A	0.84A	0.63A
Current Range	0 ~ 3.3A	0 ~ 2.5A	0 ~ 2A	0 ~ 1.5A	0 ~ 1.25A	0 ~ 1.12A	0 ~ 0.84A	0 ~ 0.63A
Rated Power	29.7W	30W	30W	30W	30W	30.24W	30.24W	30.24W
Ripple & Noise (max.) Note.2	2.6Vp-p	2Vp-p	2.6Vp-p	2.6Vp-p	2.4Vp-p	2.3Vp-p	3.6Vp-p	3.7Vp-p
Voltage ADJ. Range Note.5	8.55 ~ 9.9V	11.4 ~ 13.2V	14.5 ~ 16.5V	19 ~ 22V	22.8 ~ 26.4V	25.6 ~ 29.7V	34.2 ~ 39.6V	45.6 ~ 52.8V
Current ADJ. Range Note.5	2.475 ~ 3.399A	1.875 ~ 2.575A	1.5 ~ 2.06A	1.125 ~ 1.545A	0.938 ~ 1.288A	0.84 ~ 1.1536A	0.63 ~ 0.865A	0.473 ~ 0.649A
Voltage Tolerance Note.3	±10%							
Line Regulation	±3.0%							
Load Regulation	±5.0%							
Setup Time	500ms / 230VAC 3000ms / 115VAC at full load							
INPUT								
Voltage Range Note.4	90 ~ 264VAC 127 ~ 370VDC							
Frequency Range	47 ~ 63Hz							
Power Factor (Typ.)	PF>0.95/115VAC, PF>0.9/230VAC at full load (Please refer to «Power Factor Characteristic» curve)							
Total Harmonic Distortion	THD< 20% when output loading 70% at 115VAC/230VAC input							
Efficiency (Typ.)	80%	82.5%	83.5%	84%	84%	84.5%	85%	85.5%
AC Current (Typ.)	0.4A / 115VAC 0.2A / 230VAC							
Inrush Current (Typ.)	COLD START 35A (width=25µs measured at 50% Ipeak) at 230VAC							
MAX. No. of PSUs on 16A Circuit Breaker	64 units (circuit breaker of type B) / 64 units (circuit breaker of type C) at 230VAC							
Leakage Current	<0.5mA / 240VAC							
PROTECTION								
Over Current	100 ~ 110%							
	Protection type : Constant current limiting, recovers automatically after fault condition is removed							
Short Circuit	Hiccup mode, recovers automatically after fault condition is removed							
Over Voltage	10 ~ 14V	14 ~ 17V	17 ~ 22V	23 ~ 26V	27 ~ 34V	31 ~ 35V	40 ~ 50V	53 ~ 63V
	Protection type : Shut down o/p voltage, re-power on to recover							
Over Temperature	Shut down o/p voltage, re-power on to recover							
ENVIRONMENT								
Working Temp.	-30 ~ +50°C (Refer to «Derating Curve»)							
Working Humidity	20 ~ 95% RH non-condensing							
Storage Temp. Humidity	-40 ~ +80°C, 10 ~ 95% RH							
Temp. Coefficient	±0.06% / °C (0 ~ 50°C)							
Vibration	10 ~ 500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes							
Safety Standards	UL1310, TUV EN61347-1, EN61347-2-13, GB19510.14, GB19510.1, CAN/CSA C22.2 No. 223-M91 (except for 48V), J61347-1, J61347-2-13 approved							
Withstand Voltage	I/P-O/P : 3.75KVAC							
Isolation Resistance	I/P-O/P : 100M Ohms / 500VDC / 25°C / 70% RH							
EMC Emission	Compliance to EN55015, GB17743, GB17625.1, EN61000-3-2 Class C (Pin≥25W), Class D (>70% load) ; EN61000-3-3							
EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61547, light industry level, criteria A							
OTHERS								
MTBF	625.5Khrs min. MIL-HDBK-217F (25°C)							
Dimension	160*46*30mm (L*W*H)							
Packing	0.2Kg; 70pcs / 15Kg / 0.96CUFT							

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