

# PUC-V06



## 60W IP67 SINGLE OUTPUT SWITCHING POWER SUPPLY



### Key Features:

- Constant Voltage Design
- Universal AC input / Full range
- Withstand 300VAC surge input for 5 seconds
- Cooling by free air convection
- Protections: Short Circuit / Over Load/ Over voltage
- Fully encapsulated with IP67 level
- Fully isolated plastic case
- Class II power unit, no FG
- Class 2 power unit
- Pass LPS
- Suitable for LED lighting and moving sign applications
- 100% full load burn-in test
- 2 years warranty

### PUC-V06 SPECIFICATION

Part Code	PUC-V06-5	PUC-V06-12	PUC-V06-15	PUC-V06-24	PUC-V06-36	PUC-V06-48
Voltage	90 ~ 264VAC 127 ~ 370VAC					
Frequency	47 ~ 63 Hz					
AC current	1.2A/115VAC 1A/230VAC					
Inrush Current (Typ.) Cold start	60A (twidth=525µs measured at 50% Ipeak) at 230VAC					
Max. No of PSUs on 16A Circuit Breaker	3 units (circuit breaker of type B) / 6 units (circuit breaker of type C) at 230VAC					
Leakage current	<0.25mA/240VAC					
DC Voltage	5V	12V	15V	24V	36V	48V
Rated current	8A	5A	4A	2.5A	1.67A	1.25A
Current Range	0 ~ 8A	0 ~ 5A	0 ~ 4A	0 ~ 2.5A	0 ~ 1.67A	0 ~ 1.25A
Rated Power	40W	60W	60W	60W	60W	60W
R&N	80mVp-p	120mVp-p	120mVp-p	150mVp-p	150mVp-p	150mVp-p
Efficiency	76%	83%	83%	86%	86%	86%
Voltage Tolerance	±8.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%
Line Regulation	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
Load Regulation	±6.0% ±2.0% ±2.0% ±2.0% ±2.0%					
Set up, Rise Time	500ms, 20ms/230VAC 500ms, 20ms/115VAC at full load (for 5-36V), 500ms, 30ms/230VAC 500ms, 30ms/115VAC at full load (for 48V)					
Hold Up Time	50ms/230VAC 16ms/115VAC at full load 110 ~ 150% rated output power					
Over Voltage	Overload Protection type: Hiccup mode, recovers automatically after fault condition is removed 5.75 ~ 6.75V 13.8 ~ 16.2V 17.25 ~ 20.25V 27.6 ~ 32.4V 41.4 ~ 48.6V 55.2 ~ 64.8V Protection Type: Shut off o/p voltage, re-power on to recover					
Working Temperature	-30 ~ +70 °C (Please refer to 'Derating Curve' section)					
Working Humidity	20 ~ 90% RH non-condensing					
Storage Temp., Humidity	-40 ~ +80 °C, 10 ~ 95% RH					
Temp Coefficient	±0.0.3%/°C (0 ~ 50 °C)					
Vibration	10 ~ 500Hz, 2G 10 min./1cycle, period for 60 min. each along X, Y, Z axes UL879(except for LPV-60-5), UL1310(except for LPV-60-5), CSA C22.2 No. 207-M89(except for LPV-60-5, LPV-60-48), CAN/CSA C22.2 No.					
Safety Standards	223-M91(except for LPV-60-5,LPV-60-48), BIS IS15885(for LPV-60-12,LPV-60-24 only), EAC TP TC 004, IP67, IEC60950-1:2005+A2:2013 approved design refer to TUV EN60950-1					
Withstand voltage	I/P-O/P:3KVAC					
Isolation Resistance I/P-O/P:	>100M Ohms / 500VDC / 25 °C / 70% RH					
EMC Emission	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2 Class A, EN61000-3-3, EAC TP TC 020					
EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A, EAC TP TC 020 M.T.B.F. 732Khrs min. MIL-HDBK-217F (25 °C)					
Packing	0.4Kg; 32pcs/13.8Kg/0.56CUFT					
Dimensions	162.5 x 42.5 x 32mm					

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