




AP series

8~35W Single Output LED Power Supply

Features

- Universal AC input / Full range
- Fully isolated plastic case
- Protections: Short circuit / Overload / Over voltage
- **Constant voltage mode**
- No load power consumption <0.5W for APV-8
- IP30 design
- Withstand 300VAC surge input for 5 seconds (APV-25/35)
- 94V-0 flame retardant plastic case
- Isolation class II, no F.G.
- Class 2 power unit / Pass LPS (except for APV-8)
- Cooling by free air convection
- 100% full load burn-in test
- Low cost, high reliability
- Small and compact size
- Suitable for LED lighting and moving sign applications
- 2 years warranty

	APV-8	APV-12/16	APV-25/35
			
AC input voltage range	90~264VAC ; 127~370VDC		
AC inrush current (max.)	Cold start, 70A at 230VAC	APV-12: Cold start, 70A at 230VAC APV-16: Cold start, 50A at 230VAC	Cold start, 45A at 230VAC
Overload protection	>105% rated output power (110%~160% for APV-35) hiccup mode, auto-recovery		
Over voltage protection	115%~135% rated output voltage	110%~145% rated output voltage	
Withstand voltage	I/P-O/P: 3.75kVAC		I/P-O/P: 3kVAC
Working temperature	-30~+70°C (refer to output derating curve)		
Vibration	10~500Hz, 2G 10 minutes / 1 cycle, period for 60 minutes each along X, Y, Z axes		
Safety standards	Design refer to IEC60950-1, EN61347-1/2-13, UL8750	UL8750, ENEC EN61347-1/2-13, EN62384, IEC61347-1/2-13, IEC60950-1 approved	UL8750, EN60950-1(LVD) approved
EMC standards	EN55015, EN61000-3-2 class A, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547		EN55022 class B, EN61000-3-2 class A, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11
Connection	Input	UL rated, 18AWGx2C (15cm)	
	Output	UL rated, 20AWGx2C (15cm)	
Dimension (LxWxH)(mm)	60x 30x 22	77x 40x 29	84x 57x 29.5

APV-8 Series (C.V. mode)

Model No.	Output	Tol.	R&N	Effi.
APV-8-5	5V, 0~1.4A	±5%	150mV	75%
APV-8-12	12V, 0~0.67A	±5%	150mV	80%
APV-8-24	24V, 0~0.34A	±5%	200mV	81%

APV-12 Series (C.V. mode)

Model No.	Output	Tol.	R&N	Effi.
APV-12-5	5V, 0~2A	±5%	100mV	76%
APV-12-12	12V, 0~1A	±5%	120mV	82%
APV-12-15	15V, 0~0.8A	±5%	120mV	82%
APV-12-24	24V, 0~0.5A	±5%	150mV	84%

APV-16 Series (C.V. mode)

Model No.	Output	Tol.	R&N	Effi.
APV-16-5	5V, 0~2.6A	±5%	100mV	76%
APV-16-12	12V, 0~1.25A	±5%	120mV	80%
APV-16-15	15V, 0~1.00A	±5%	120mV	81%
APV-16-24	24V, 0~0.67A	±5%	150mV	83%

APV-25 Series (C.V. mode)

Model No.	Output	Tol.	R&N	Effi.
APV-25-5	5V, 0~3.5A	±5%	120mV	75.5%
APV-25-12	12V, 0~2.1A	±5%	150mV	82.0%
APV-25-15	15V, 0~1.68A	±5%	150mV	83.0%
APV-25-24	24V, 0~1.05A	±5%	150mV	83.0%
APV-25-36	36V, 0~0.7A	±5%	150mV	84.0%

APV-35 Series (C.V. mode)

Model No.	Output	Tol.	R&N	Effi.
APV-35-5	5V, 0~5A	±5%	120mV	76.5%
APV-35-12	12V, 0~3A	±5%	150mV	83.0%
APV-35-15	15V, 0~2.4A	±5%	150mV	84.0%
APV-35-24	24V, 0~1.5A	±5%	180mV	84.0%
APV-35-36	36V, 0~1.0A	±5%	180mV	85.0%

Note: The models on this page might not be suitable for lighting applications in EU countries. Please check with your local authorities for the possible use of the model of interest.