

Features:

- Green design, No-load power consumption < 0.5W
- Universal AC input with active PFC
- Protections: Short circuit / Over load / Over voltage
Brown-out (Low AC Input Voltage)
- Cooling by free air convection
- Power ON with LED indicator
- All using 105°C long life electrolytic capacitors
- High operation temperature up to 70°C
- Withstand 5G vibration test
- 100% full load burn-in test
- High efficiency , long life and high reliability
- 3 years warranty



	Model No.	AK-100-05	AK-100-7.5	AK-100-12	AK-100-13.5	AK-100-15	AK-100-24	AK-100-27	AK-100-48	
Output	DC Voltage Range	5V	7.5V	12V	13.5V	15V	24V	27V	48V	
	Rated Current	20A	13.5A	8.5A	7.5A	6.7A	4.2A	3.8A	2.1A	
	Current Range	0~20A	0~13.5A	0~8.5A	0~7.5A	0~6.7A	0~4.2A	0~3.8A	0~2.1A	
	Rated Power	100W	101.2W	102W	101.2W	100.5W	100.8W	102.6W	100.8W	
	Ripple & Noise (max.)	90mVp-p	90mVp-p	90mVp-p	90mVp-p	90mVp-p	120mVp-p	120mVp-p	200mVp-p	
	Voltage Adj. Range	4.5~5.5V	6.75~8.25V	10.8~13.2V	12.5~14.9V	13.5~16.5V	21.6~26.4V	24.3~29.7V	43.2~52.8V	
	Voltage Tolerance	±2%	±1.5%	±1.0%	±1.0%	±1.0%	±1.0%	1.0%	±1.0%	
	Line regulation	±1.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
	Load regulation	±1.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
	Setup, Rise Time	300ms, 50ms at full load								
Hold Up Time (Typ.)	32ms./ 230Vac at full load									
Input	Voltage Range	90~264VAC 127~370VDC								
	Frequency Range	47~63Hz								
	Power Factor (Typ.)	0.93 / 230VAC 0.98 / 115VAC at full load								
	Efficiency (Typ.)	83%	85%	85%	86%	88%	89%	89%	89%	
	AC Current (Typ.)	1.1A / 115VAC 0.55A / 230VAC								
	Inrush Current (Typ.)	20A / 115VAC 35A / 230VAC								
	Leakage Current	<0.2mA / 230VAC								
Protection	Over Load	105%~180% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed								
	Over Voltage	115%~140% rated output voltage Protection type : latch-off mode								
	Over Temperature	90°C ± 5°C detect on Core of the Transformer Protection type: Shut down o/p voltage, after temperature goes down and re-power ON to recover								
Environment	Working Temp	-20 ~ +70°C (Refer to output load de-rating curve)								
	Working Humidity	20 ~ 90% R.H non-condensing								
	Storage Temp., Humidity	-40 ~ +85°C, 10 ~95% R.H								
	Temp. Coefficient	± 0.03%/°C (0 ~ 50°C)								
Safety & EMC	Vibration	10 ~ 500Hz, 5G 0.5Oct/min, period for 60min. Each along X,Y,Z axes								
	Safety Standards	MEET UL 60950-1, TUV EN60950-1								
	Green Energy	ENERGY STAR® Single Voltage External AC - DC and AC - AC Power Supplies Eligibility Criteria (Version 1.1)								
	Withstand Voltage	I/P - O/P:3KVAC I/P - FG:1.5KVAC O/P-FG:0.5KVAC, 1 minute								
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100MΩ / 500VDC								
	EMI Conduction & Radiation	EN55022 : 1998+A1 : 2000+A2 : 2003 Class B								
Other	Harmonic Current	EN61000-3-2 :2000+A2:2005 Class A, EN61000-3-3 : 1995+A1 :2001								
	EMS Immunity	EN61204-3 : 2000 EN50204 1998+A1 : 2001+A2 : 2003 light industry level, criteria A								
	MTBF	620.3K HRS Compliance: MIL-HDBK-217F								
	Cooling	Air Cooling								
Packing	Dimension (L*W*H)	157*98*42 mm / 6.18*3.86*1.65 inch								
		0.65Kg								

*Note:The specifications are subject to change without ontice.