

COTEK 650W Single Output Power Supply - AK series

Features:

- Universal AC input with active PFC
- Programmable output Voltage (30% ~ 105%)
- Programmable output Current (20% ~ 105%)
- High efficiency up to 91%
- +5V / 0.5A auxiliary output
- Intelligent LED indicators
- 1U profile, high power density
- Forced current sharing at parallel operation
- Power OK signal (Power good, Logic low)
- Remote ON-OFF, Remote sense function
- Protections : OVP, OLP, OTP, SCP, Fan failure
- 3 years warranty



	Model No.	AK-650-05	AK-650-12	AK650-15	AK650-24	AK650-27	AK650-48
Output	DC Voltage Range	5V	12V	15V	24V	27V	48V
	Rated Current	100A	54A	43A	27A	24A	13.6A
	Current Range	0~100A	0~54A	0~43A	0~27A	0~24A	0~13.6A
	Rated Power	500W	648W	645W	648W	648W	652W
	Ripple & Noise (max.)	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p
	Voltage Adj. Range	±5.0% Typical adjustment by potentiometer					
	Voltage Tolerance	±1.0%					
	Line regulation	±0.5%					
	Load regulation	±0.5%					
	Setup, Rise Time	800ms, 50ms at full load					
Hold Up Time (Typ.)	16ms./ 230VAC at full load						
Input	Voltage Range	90~264VAC 127~370VDC					
	Frequency Range	47~63Hz					
	Power Factor (Typ.)	EN61000-3-2 (0.98 / 230VAC, 0.99 / 115VAC at full load					
	Efficiency (Typ.)	83%	88%	88%	90%	90%	91%
	AC Current (Typ.)	6.4A / 115VAC 3.2A / 230VAC					
	Inrush Current (Typ.)	20A / 115VAC 30A / 230VAC					
Protection	Leakage Current	<2.0mA / 240VAC					
	Over Load	105%~125% rated output power Protection type : Total Power limiting, Latch-style (Recovery after reset AC power ON or inhibit)					
	Over Voltage	5.75~6.25V	13.8~15.0V	17~19.0V	27.6~30.0V	31~33.75V	55.2~60.0V
	Over Temperature	90°C ± 5°C detect on heat sink of primary side, 85°C ± 5°C detect on heat sink of secondary side. Protection type: Shut down o/p voltage (Auto recovers automatically after temperature goes down)					
Function	Auxiliary Power	5V @ 0.5A (+/- 3%)					
	Remote ON/OFF Control	External switch or NPN Transistor to turn ON / OFF					
	Power OK Signal	Open drain signal low when PSU turns on, Max. sink current: 20mA, Max. drain voltage: 40V.					
	Output Voltage Trim	Adjustment of output voltage is between 30 ~ 105% of rated output					
	Output Current Trim	Adjustment of output current is between 20 ~ 105% of rated output					
Environment	Parallel (Current Sharing)	Please refer to function					
	Working Temp.	-25 ~ +60°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	± 0.02%/°C (0 ~ 50°C)					
Safety & EMC	Vibration	Compliance to IEC 68-2-6, IEC 68-2-64					
	Safety Standards	UL 60950-1, TUV EN60950-1 approved					
	Withstand Voltage	I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC					
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG:100MΩ/500VDC					
	EMI Conduction & Radiation	Compliance to EN55022 (CISPR22) Class B					
Other	Harmonic Current	Compliance to EN61000-3-2,-3					
	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, EN61000-6-2,EN61204-3, heavy industry level, criteria A					
	Cooling	Controlled by power rating & temperature (Internal ball bearing fan)					
Other	Dimension (L*W*H)	249*127*41 mm / 9.80*5.00*1.61 inch					
	Packing	1.75Kg;8pcs/15.0kg/0.75CUFT					

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