

# COTEK



## AE/AEK Series

800~3KW Programmable Power Supply



AE-800



AE-1500



AE-3000



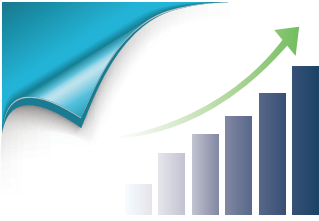
AEK-3000

Up DC Output Voltage  
to 400V

- Universal AC input / Full range
- Programmable output voltage (0% ~ 105%)
- Programmable output current (0% ~ 105%)
- High power density 16.3W / inch<sup>3</sup>
- Current sharing
- Constant current limit
- Full product portfolio(12~400VDC)

- Selectable +5V / 0.5A or +9V / 0.3A auxiliary output
- Global control
- Remote setting multiple PSU via RS232, RS485 & I<sup>2</sup>C
- Remote ON / OFF, Remote sense function
- Protection: OVP, OLP, OTP, SCP, Fan failure
- FCC Class B

# User Benefits



- Energy saving-Efficiency > 90%
- Wide O/P voltage and current programmable range 0~105%
- Space saving-High power density 16.3W/inch<sup>3</sup>



## Compact Dimension

Low profile design



## Global Control

Remote setting  
PSU setting via RS232/485 I<sup>2</sup>C



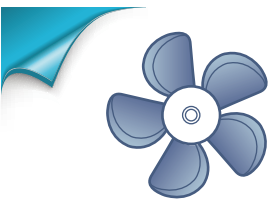
## Battery Charging

Constant current and voltage control



## Wide DC O/P range

Suitable for various application



## Fan speed controlled by Load and Temperature

Suitable for low load & audible sensitive application



## Front-end access

(Input & Output at the same side)  
Easy installation

# Work Smarter, Not Harder!

Through CT controller board integration, it's now possible to set output voltage and current of multiple COTEK Power Supplies (up to max 8) via single point.



AE series



CT controller board



laptop/computer



## Benefits




- Setting 8 power supplies from single point to increase production efficiency
- Easy and accurate output voltage and current adjustment
- Data & Status query from PC
- Easy maintenance

# Specification




## AE Series

### 800W~3000W Programmable Power Supply

Model		AE-800-12	AE-800-15	AE-800-24	AE-800-30	AE-800-36	AE-800-48	AE-800-60
 Output	DC Voltage	12V	15V	24V	30V	36V	48V	60V
	Rated Current	66.7A	53.4A	33.5A	26.7A	22.3A	16.7A	13.4A
	Ripple & Noise (Max.)	120mVp-p	150mVp-p	240mVp-p	300mVp-p	360mVp-p	480mVp-p	600mVp-p
	Voltage Adj. Range	± 5.0% Typical adjustment by potentiometer. (VR1)						
Input	Voltage Range	90 ~ 264VAC, 127 ~ 370VDC						
	Efficiency (Typ.)	89%	90%	92%	92%	92%	92%	93%
Model		AE-1500-12	AE-1500-15	AE-1500-24	AE-1500-30	AE-1500-36	AE-1500-48	AE-1500-60
 Output	DC Voltage	12V	15V	24V	30V	36V	48V	60V
	Rated Current	125A	100A	62.5A	50A	41.7A	31.3A	25A
	Ripple & Noise (Max.)	150mVp-p	150mVp-p	240mVp-p	300mVp-p	360mVp-p	480mVp-p	600mVp-p
	Voltage Adj. Range	± 5.0% Typical adjustment by potentiometer. (VR1)						
Input	Voltage Range	90 ~ 264VAC, 127 ~ 370VDC						
	Efficiency (Typ.)	89%	90%	92%	92%	92%	92%	93%
Model		AE-3000-12	AE-3000-15	AE-3000-24	AE-3000-30	AE-3000-36	AE-3000-48	AE-3000-60
 Output	DC Voltage	12V	15V	24V	30V	36V	48V	60V
	Rated Current	250A	200A	125A	100A	83.5A	62.5A	50A
	Ripple & Noise (Max.)	150mVp-p	150mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p	300mVp-p
	Voltage Adj. Range	± 5.0% Typical adjustment by potentiometer. (VR1)						
Input	Voltage Range	90 ~ 264VAC, 127 ~ 370VDC						
	Efficiency (Typ.)	89%	90%	91%	91%	92%	92%	93%


## AEK Series

### Low Profile 3000W Programmable Power Supply

Model		AEK-3000-12	AEK-3000-15	AEK-3000-24	AEK-3000-30	AEK-3000-36	AEK-3000-48	AEK-3000-60
 Output	DC Voltage	12V	15V	24V	30V	36V	48V	60V
	Rated Current	200A	160A	125A	100A	83.5A	62.5A	50A
	Rated Power*	2400W	2400W	3000W	3000W	3000W	3000W	3000W
	Ripple & Noise (Max.)	150mVp-p	150mVp-p	200mVp-p	200mVp-p	200mVp-p	200mVp-p	300mVp-p
	Voltage Adj. Range	± 5.0% Typical adjustment by potentiometer. (VR1)						
Input	Voltage Range	90 ~ 264VAC, 127 ~ 370VDC						
	Efficiency (Typ.)	88%	89%	91%	91%	92%	92%	93%

## AE/AEK Series

### Programmable High DC Voltage Output

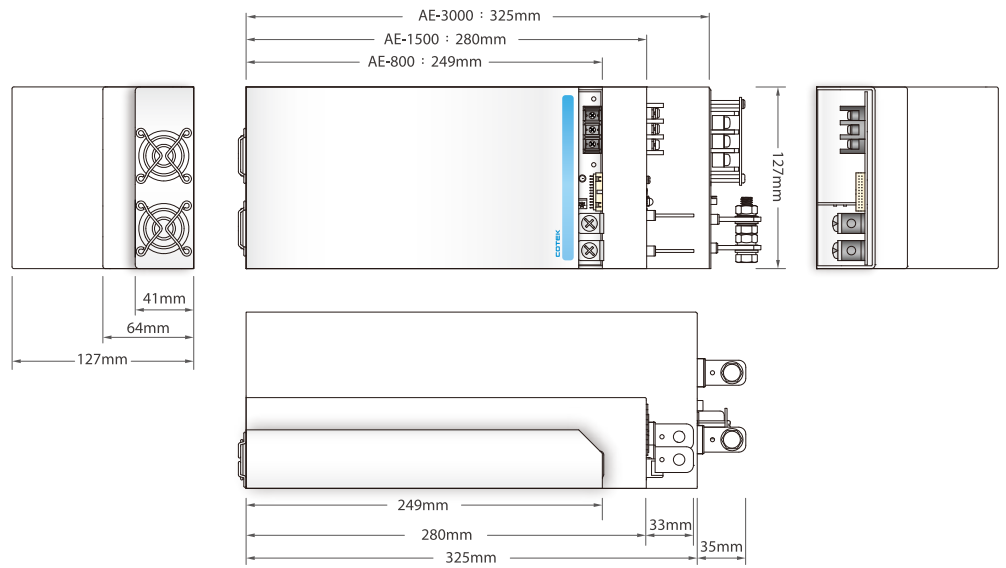
Model		AEK-3000-150	AEK-3000-200	AEK-3000-250	AEK-3000-300	AEK-3000-400	AE-1500-120	
 Output	DC Voltage	150V	200V	250V	300V	400V	120V	
	Rated Current	20A	15A	12A	10A	7.5A	12.5A	
	Rated Power*	3000W	3000W	3000W	3000W	3000W	1500W	
	Ripple & Noise (Max.)	1500mVp-p					1200mVp-p	
	Voltage Adj. Range	± 5.0% Typical adjustment by potentiometer. (VR1)						
Input	Voltage Range	90 ~ 264VAC, 127 ~ 370VDC						
	Efficiency (Typ.)	93%						

\* Subject to change without prior notice \*Power de-rating if AC input is <180VAC. Please refer to data sheet for the de-rating curve.

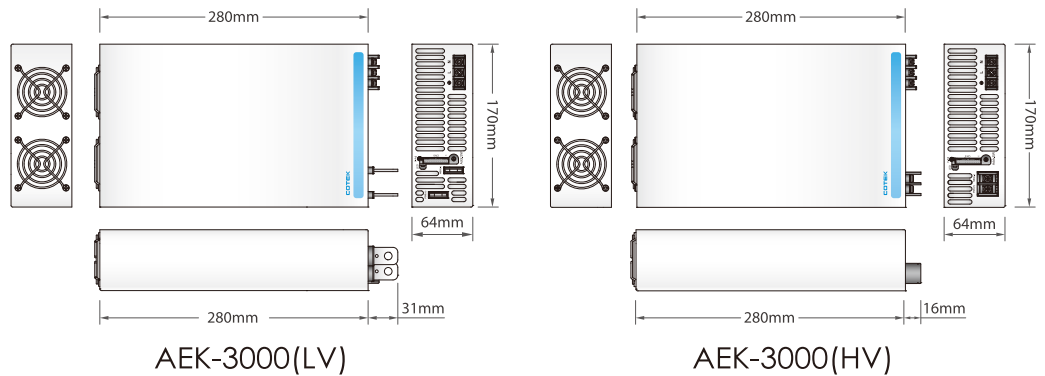


# Dimension

## AE Series



## AEK Series



# About COTEK



COTEK is committed to providing proactive service, innovative technology and total quality assurance since we were established in 1986. With Corporate Offices in Tao-yuan, Taiwan, COTEK is a technology-oriented company focusing on developing, designing and manufacturing products including:

- AC/DC Switching Mode Power Supply-5 Watts ~ 3,000 Watts
- LED Driver
- DC/AC Pure Sine Wave inverter-150 Watts ~ 4,000 Watts
- Inverter/Charger
- Battery Charger

## Contact Us

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