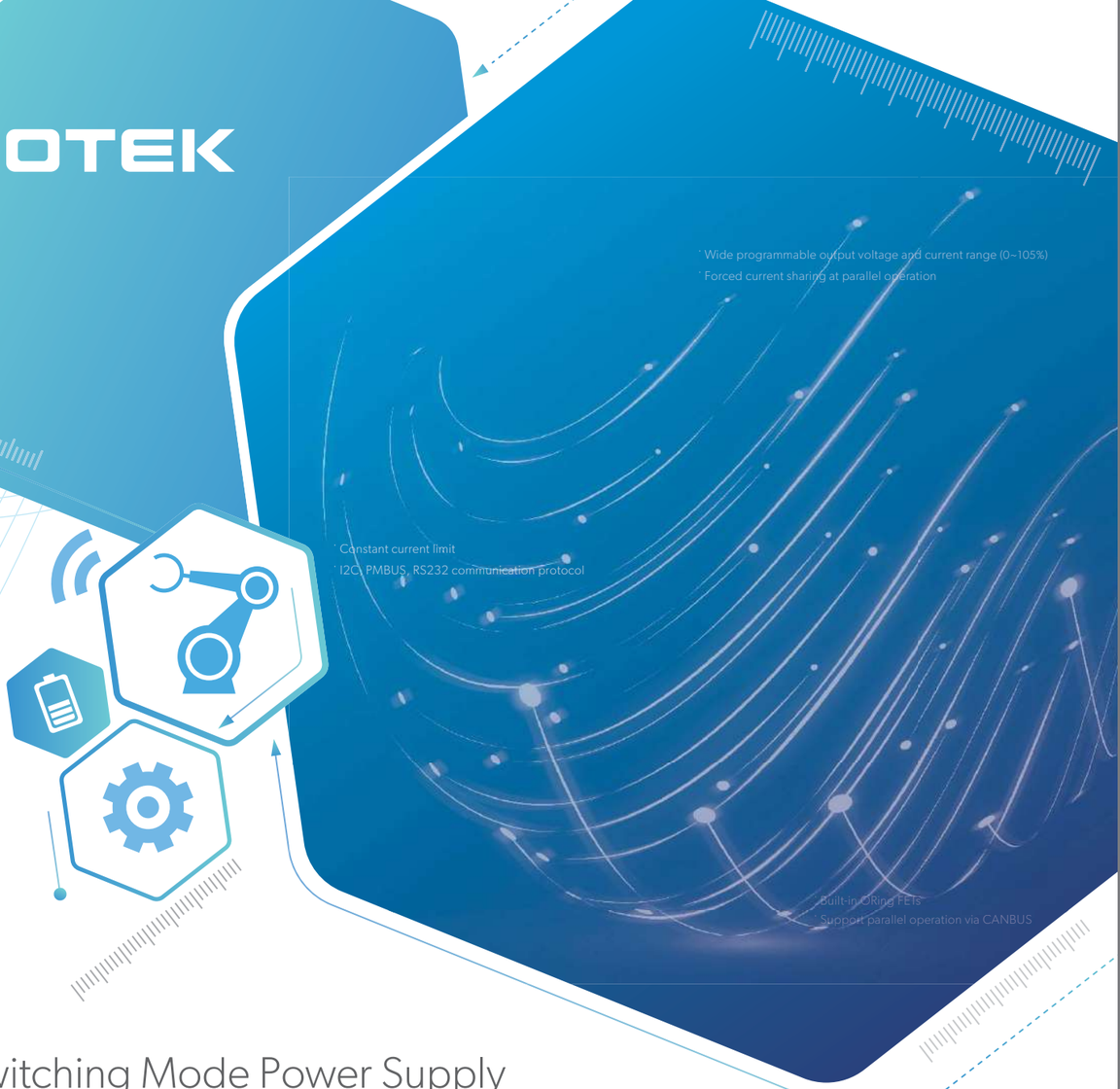
COTEK

Professional Power Solutions Design
and Manufacturing

COTEK



Switching Mode Power Supply

Always Power Ready

www.cotek.com.tw

COTEK ELECTRONIC IND. CO., LTD

+886 3-389-1999 +886 3-380-2333
No.33, Sec. 2, Renhe Rd., Daxi Dist., Taoyuan City 33548, Taiwan

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

- DC / AC Pure Sine Wave Inverter – 200 Watts~4,000 Watts
- Inverter / Charger
- Battery Charger
- AC / DC Switching Mode Power Supply – 450 Watts~3,000 Watts

Why COTEK

One-stop shopping	World-Class R&D Team	Product Safety Approvals
Diverse power product lines that fulfill our business partners' power requirement across multiple sectors (AC/DC, DC/AC, Chargers and Inverter Chargers)	30 years' software & hardware development capability	Meet the global latest safety standards
Flexibility	**Prompt Service**	**Production Experience**
To provide off-the-shelf and customized design service	Authorized distributor partners in over 38 countries to ensure local services in the same time zone	Sold more than 20 million pcs to the worldwide market

COTEK Headquarters, Taiwan

No. 33, Sec. 2, Renhe Rd., Daxi Dist., Taoyuan City 33548, Taiwan

+886 3-389-1999 +886 3-380-2333

http://www.cotek.com.tw/

COTEK Factory, Dongguan China

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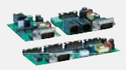
Product Index

General / Industrial

Photo	Type	Output	Series	Main Features	Page	Wattages					
						450	650	800	1000	1500	3000
	Enclosed	Single	**AD**	■ Programmable output voltage and current up to 105% ■ Forced current sharing at parallel operation ■ Constant current limit ■ I²C, PMBus, RS232 communication protocol ■ Built-in ORing FETs ■ Support parallel operation via CAN Bus	P.5			○		○	○
			**AE**	■ I.T.E. safety approval: UL 60950-1/TUV EN 60950-1/ IEC 60950-1 (exclude AEK-3000(HV)) ■ Programmable output voltage & current (0~105%) ■ Constant current limit ■ Global control via RS-232 ■ Multiple remote settings via RS-232, I²C ■ Auxiliary output 5V/0.5A or 9V/0.3A ■ Remote ON/OFF ■ Force current sharing at parallel operation ■ Free program RT_Installer available at request	P.11			●		●	●
			**AEK**		P.17						●
			**AK**	■ I.T.E. safety approval: UL 60950-1/TUV EN 60950-1/ IEC 60950-1 ■ No load power consumption <0.7W (below 200W) ■ Programmable output voltage (30~105%) & current (40~105%) ■ Remote ON/OFF ■ Force current sharing at parallel operation (Above 650W) ■ 150% peak load capability (AK450)	P.19	●	●		●	●	

○ = Coming Soon

Accessories

Photo	Model Name	Description	Main Features
	CT-201/204/ 251/551	RS-232/485 Interface card	■ For AE, AEK Series ※Note: For CT-201/204/251/551 detail spec., please contact your sales representative if required.

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Please contact with our sales representative to request for our new catalog, or visit our website:
www.cotek.com.tw

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AD-800

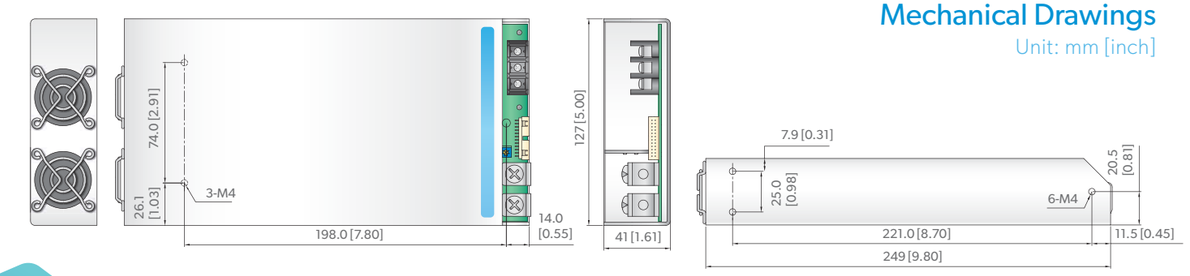
800W Programmable Digital Power Supply

Features

- Universal AC input/Full range(90~264Vac)
- Programmable output current 0~105%
- Programmable output voltage from 2V up to 105%
- Forced current sharing at parallel operation
- Constant current limit
- Selectable +3.3V/0.5A or +5V/0.3A auxiliary output
- I2C, PMBus, RS232 communication protocol
- Built-in OR'ing FETs
- Support parallel operation via CAN Bus
- Linear output voltage & current control by external signal/resistor
- Intelligent GUI to set and monitor parameter
- Power OK signal
- Remote on/off, Remote sense function
- Protection: OVP, OLP, OTP, Fan failure

Mechanical Drawings

Unit: mm [inch]



	AD-800-12	AD-800-15	AD-800-24	AD-800-30	AD-800-36	AD-800-48	AD-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
Rated Power*	800W						
Ripple & Noise (Max.)	120mVp-p	150mVp-p	240mVp-p	300mVp-p	360mVp-p	480mVp-p	600mVp-p
Voltage Tolerance	± 2.0%						
Line Regulation	± 1.0%						
Load Regulation	± 1.0%						
Setup, Rise Time	800ms, 100ms at full load						
Hold Up Time (Typ.)	14ms / 230VAC at full load						
Input							
Voltage Range	90 ~ 264VAC , 127 ~ 370VDC						
Frequency Range	47~63Hz						
Power Factor (Typ.)	0.95 / 230VAC, 0.98 / 115VAC at full load						
Efficiency (Typ.)	89%	90%	92%	92%	92%	92%	93%
AC Current (Typ.)	9.3A / 100VAC, 3.7A / 240VAC						
Inrush Current (Typ.)	30A / 115VAC, 60A / 230VAC						
Leakage Current	< 2.5mA / 240VAC						
Protection							
Over Load	105% rated output power. Protection type: Constant current limit						
Over Voltage	Variable OVP, 120±7% Vout. Refer to VCI v.s. OVP curve in the datasheet Protection type: Latch-style (Recovery after reset AC power ON or inhibit)						
Over Temperature	85 ± 5°C detect on NTC, Protection type: Auto recovery after temperature goes down						
Function							
Auxiliary Power	Selectable +3.3V / 0.5A or +5V / 0.3A auxiliary output						
Remote ON/OFF Control	By external switch / communication						
Power OK Signal	Open drain signal low when PSU turn on, Max. sink current: 20mA, Max. drain voltage: 40V						
Output Voltage Trim	Adjustment of output voltage is between 2V up to 105% of the rated voltage						
Output Current Trim	Adjustment of output current is between 0 ~ 105% of rated output						
Parallel	Current sharing via CAN Bus						
Environment							
Working Temperature	-20 ~ +60°C (Refer to load de-rating curve)						
Working Humidity	20 ~ 90% RH non-condensing						
Storage Temp. & Humidity	-40°C ~ 85°C, 10 ~ 95% RH						
Temperature Coefficient	± 0.02% / °C (0°C ~ 50°C)						
Vibration	10 ~ 500Hz, 2G 10min. / 1cycle, period for 60min. each along X, Y, Z axes Compliance to IEC 60068-2-6, IEC 60068-2-64						
Safety & EMC							
Safety Standards	Meet UL 62368-1; EN 62368-1						
Withstand Voltage	I/O-O/P: 4000VDC, I/P-FG: 2500VDC, O/P-FG: 707VDC						
Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC						
EMI Conduction & Radiation	Meet EN 55032						
Power Harmonic & Voltage Fluctuation and Flicker	Meet EN 61000-3-2; EN 61000-3-3						
EMS Immunity	Meet EN 55024; IEC 61000-4-2, 3, 4, 5, 6, 8, 11						
Other							
Cooling	Load and temperature control fan						
Product Dimension	127x41x249 mm / 5.00x1.61x9.80 inch (WxHxD)						
Packing	Per Product 1.6kgs ; Per Carton 9pcs / 16.9kgs / 0.55CUFT						

*Rated power could be de-rated when AC input is below 100VAC, please refer to datasheet

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AD-1500

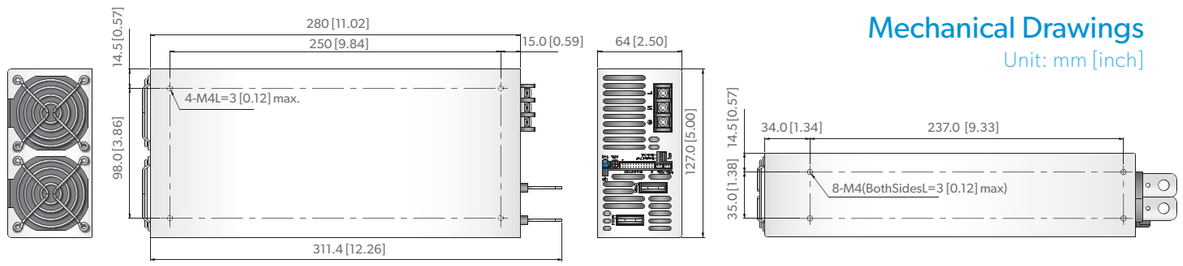
1500W Programmable Digital Power Supply

Features

- Universal AC input/Full range(90~264Vac)
- Programmable output current 0~105%
- Programmable output voltage from 2V up to 105%
- Forced current sharing at parallel operation
- Constant current limit
- Selectable +3.3V/0.5A or +5V/0.3A auxiliary output
- I2C, PMBus, RS232 communication protocol
- Built-in OR'ing FETs
- Support parallel operation via CAN Bus
- Linear output voltage & current control by external signal/resistor
- Intelligent GUI to set and monitor parameter
- Power OK signal
- Remote on/off, Remote sense function
- Protection: OVP, OLP, OTP, Fan failure

Mechanical Drawings

Unit: mm [inch]



	AD-1500-12	AD-1500-15	AD-1500-24	AD-1500-30	AD-1500-36	AD-1500-48	AD-1500-60
Output							
DC Voltage	12V	15V	24V	30V	36V	48V	60V
Rated Current	125A	100A	62.5A	50A	41.7A	31.3A	25A
Current Range	0 ~ 125A	0 ~ 100A	0 ~ 62.5A	0 ~ 50A	0 ~ 41.7A	0 ~ 41.7A	0 ~ 25A
Rated Power*	1500W						
Ripple & Noise (Max.)	150mVp-p	150mVp-p	240mVp-p	300mVp-p	360mVp-p	480mVp-p	600mVp-p
Voltage Tolerance	± 2.0%						
Line Regulation	± 1.0%						
Load Regulation	± 1.0%						
Setup, Rise Time	800ms, 100ms at full load						
Hold Up Time (Typ.)	14ms / 230VAC at full load						
Input							
Voltage Range	90 ~ 264VAC , 127 ~ 370VDC						
Frequency Range	47~63Hz						
Power Factor (Typ.)	0.95 / 230VAC, 0.99 / 115VAC at full load						
Efficiency (Typ.)	89%	90%	92%	92%	92%	92%	93%
AC Current (Typ.)	18A / 115VAC, 9A / 230VAC						
Inrush Current (Typ.)	30A / 115VAC, 45A / 230VAC						
Leakage Current	< 2.5mA / 240VAC						
Protection							
Over Load	105% rated output power. Protection type: Constant current limit						
Over Voltage	Programmable OVP, 120 ± 7% Vout. Protection type: Latch-style (Recovery after reset AC power ON or inhibit)						
Over Temperature	85 ± 5°C detect on NTC, Protection type: Auto recovery after temperature goes down						
Function							
Auxiliary Power	Selectable +3.3V / 0.5A or +5V / 0.3A auxiliary output						
Remote ON/OFF Control	By external switch / communication						
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 2V up to 105% of the rated voltage						
Output Current Trim	Adjustment of output current is between 0 ~ 105% of rated output						
Parallel	Current sharing via CAN Bus						
Environment							
Working Temperature	-25 ~ +60°C (Refer to load de-rating curve)						
Working Humidity	20 ~ 90% RH non-condensing						
Storage Temp. & Humidity	-40°C ~ 85°C, 10 ~ 95% RH						
Temperature Coefficient	± 0.02% / °C (0°C ~ 50°C)						
Vibration	10 ~ 500Hz, 2G 10min. / 1cycle, period for 60min. each along X, Y, Z axes Compliance to IEC 60068-2-6, IEC 60068-2-64						
Safety & EMC							
Safety Standards	Meet UL 62368-1; EN 62368-1						
Withstand Voltage	I/O-O/P: 4000VDC, I/P-FG: 2500VDC, O/P-FG: 707VDC						
Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC						
EMI Conduction & Radiation	Meet EN 55032						
Power Harmonic & Voltage Fluctuation and Flicker	Meet EN 61000-3-2; EN 61000-3-3						
EMS Immunity	Meet EN 55024; IEC 61000-4-2, 3, 4, 5, 6, 8, 11						
Other							
Cooling	Load and temperature control fan						
Product Dimension	127x64x280 mm / 5.00x2.52x11.02 inch (WxHxD)						

*Rated power could be de-rated when AC input is below 100VAC, please refer to datasheet

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AD-3000

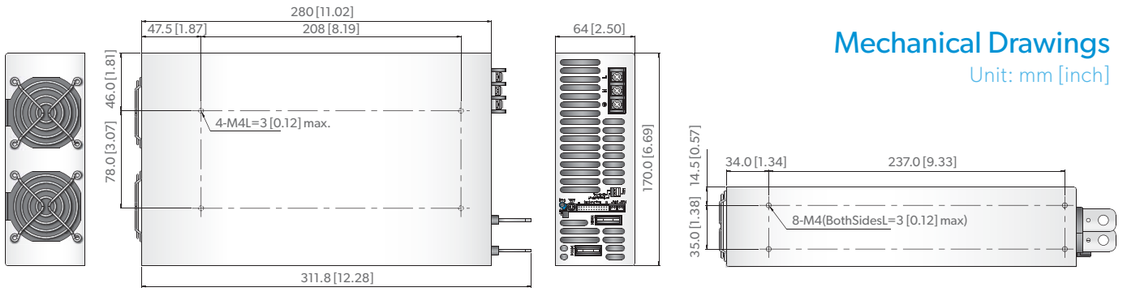
3000W Programmable Digital Power Supply

Features

- Universal AC input/Full range(90~264Vac)
- Programmable output current 0~105%
- Programmable output voltage from 2V up to 105%
- Forced current sharing at parallel operation
- Constant current limit
- Selectable +3.3V/0.5A or +5V/0.3A auxiliary output
- I2C, PMBus, RS232 communication protocol
- Built-in OR'ing FETs
- Support parallel operation via CAN Bus
- Linear output voltage & current control by external signal/resistor
- Intelligent GUI to set and monitor parameter
- Power OK signal
- Remote on/off, Remote sense function
- Protection: OVP, OLP, OTP, Fan failure

Mechanical Drawings

Unit: mm [inch]



	AD-3000-12	AD-3000-15	AD-3000-24	AD-3000-30	AD-3000-36	AD-3000-48	AD-3000-60
Output							
DC Voltage	12V	15V	24V	30V	36V	48V	60V
Rated Current	200A	160A	125A	100A	83.5A	62.5A	50A
Current Range	0 ~ 200A	0 ~ 160A	0 ~ 125A	0 ~ 100A	0 ~ 83.5A	0 ~ 62.5A	0 ~ 50A
Rated Power*	2400W	2400W	3000W	3000W	3006W	3000W	3000W
Ripple & Noise (Max.)	150mVp-p	150mVp-p	240mVp-p	300mVp-p	360mVp-p	480mVp-p	600mVp-p
Voltage Tolerance	± 2.0%						
Line Regulation	± 1.0%						
Load Regulation	± 1.0%						
Setup, Rise Time	800ms, 50ms at full load						
Hold Up Time (Typ.)	14ms / 230VAC at full load						
Input							
Voltage Range	90 ~ 264VAC , 127 ~ 370VDC						
Frequency Range	47~63Hz						
Power Factor (Typ.)	0.95 / 230VAC, 0.98 / 115VAC at full load						
Efficiency (Typ.)	88%	89%	91%	91%	92%	92%	93%
AC Current (Typ.)	19.7A / 115VAC (2000W), 14.5A / 230VAC (3000W)						
Inrush Current (Typ.)	33A / 115VAC, 65A / 230VAC						
Leakage Current	< 2.5mA / 240VAC						
Protection							
Over Load	105% rated output power. Protection type: Constant current limit						
Over Voltage	Programmable OVP, 120 ± 7% Vout. Protection type: Latch-style (Recovery after reset AC power ON or inhibit)						
Over Temperature	85 ± 5°C detect on NTC, Protection type: Auto recovery after temperature goes down						
Function							
Auxiliary Power	Selectable +3.3V / 0.5A or +5V / 0.3A auxiliary output						
Remote ON/OFF Control	By external switch / communication						
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 2V up to 105% of the rated voltage						
Output Current Trim	Adjustment of output current is between 0 ~ 105% of rated output						
Parallel	Current sharing via CAN Bus						
Environment							
Working Temperature	-25 ~ +60°C (Refer to load de-rating curve)						
Working Humidity	20 ~ 90% RH non-condensing						
Storage Temp. & Humidity	-40°C ~ 85°C, 10 ~ 95% RH						
Temperature Coefficient	± 0.02% / °C (0°C ~ 50°C)						
Vibration	10 ~ 500Hz, 2G 10min. / 1cycle, period for 60min. each along X, Y, Z axes Compliance to IEC 60068-2-6, IEC 60068-2-64						
Safety & EMC							
Safety Standards	Meet UL 62368-1; EN 62368-1						
Withstand Voltage	I/O-O/P: 4000VDC, I/P-FG: 2500VDC, O/P-FG: 707VDC						
Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC						
EMI Conduction & Radiation	Meet EN 55032						
Power Harmonic & Voltage Fluctuation and Flicker	Meet EN 61000-3-2; EN 61000-3-3						
EMS Immunity	Meet EN 55024; IEC 61000-4-2, 3, 4, 5, 6, 8, 11						
Other							
Cooling	Load and temperature control fan						
Product Dimension	170x64x280 mm / 6.69x2.52x11.02 inch (WxHxD)						

*Rated power could be de-rated when AC input is below 100VAC, please refer to datasheet

AE-800

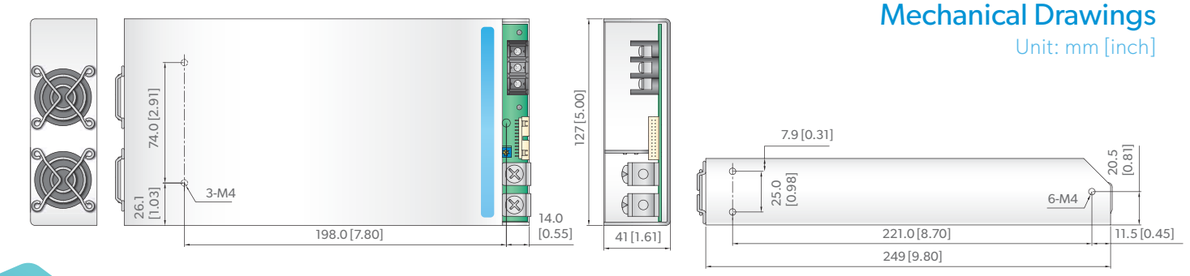
800W Wide Programmable Range Single Output Power Supply

Features

- Universal AC input / Full range
- Programmable output voltage (0%~105%)
- Programmable output current (0%~105%)
- Forced current sharing at parallel operation
- Constant current limit
- Selectable +5V / 0.5A or +9V / 0.3A auxiliary output
- Remote setting multiple PSU via RS-232, RS-485 & I²C
- Power OK signal
- Remote ON / OFF, Remote sense function
- Protection: OVP, OLP, OTP, Fan failure

Mechanical Drawings

Unit: mm [inch]



	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
Rated Power*	800W						
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)						
Voltage Tolerance	± 2.0%						
Line Regulation	± 1.0%						
Load Regulation	± 1.0%						
Setup, Rise Time	800ms, 100ms at full load						
Hold Up Time (Typ.)	14ms / 230VAC at full load						
Input							
Voltage Range	90 ~ 264VAC , 127 ~ 370VDC						
Frequency Range	47~63Hz						
Power Factor (Typ.)	0.95 / 230VAC, 0.98 / 115VAC at full load						
Efficiency (Typ.)	89%	90%	92%	92%	92%	92%	93%
AC Current (Typ.)	9.3A / 100VAC, 3.7A / 240VAC						
Inrush Current (Typ.)	30A / 115VAC, 60A / 230VAC						
Leakage Current	< 1.0mA / 240VAC						
Protection							
Over Load	105% rated output power. Protection type: Constant current limit						
Over Voltage	Variable OVP, 120±7% Vout. Refer to VCI v.s. OVP curve in the datasheet Protection type: Latch-style (Recovery after reset AC power ON or inhibit)						
Over Temperature	85 ± 5°C detect on NTC, Protection type: Auto recovery after temperature goes down						
Function							
Auxiliary Power	Selectable +5V / 0.5A or +9V / 0.3A auxiliary output						
Remote ON/OFF Control	By external switch						
Power OK Signal	Open drain signal low when PSU turn on, Max. sink current: 20mA, Max. drain voltage: 40V						
Output Voltage Trim	Adjustment of output voltage is between 0~105% of rated output						
Output Current Trim	Adjustment of output current is between 0~105% of rated output						
Parallel (Current Sharing)	Yes, please refer to datasheet						
Address Setting	Up to 8 units can be set using an address switch (sw1), 0~7						
Environment							
Working Temperature	-20 ~ +60°C (Refer to load de-rating curve)						
Working Humidity	20 ~ 90% RH non-condensing						
Storage Temp. & Humidity	-40°C ~ 85°C, 10 ~ 95% RH						
Temperature Coefficient	± 0.02% / °C (0°C ~ 50°C)						
Vibration	10 ~ 500Hz, 2G 10min. / 1cycle, period for 60min. each along X, Y, Z axes Compliance to IEC 60068-2-6, IEC 60068-2-64						
Safety & EMC							
Safety Standards	Certified UL 62368-1; EN62368-1						
Withstand Voltage	I/O-O/P: 4000VDC, I/P-FG: 2500VDC, O/P-FG: 707VDC						
Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC						
EMI Conduction & Radiation	Certified EN 55032						
Power Harmonic & Voltage Fluctuation and Flicker	Certified EN 61000-3-2; EN 61000-3-3						
EMS Immunity	Certified EN 55024; IEC 61000-4-2, 3, 4, 5, 6, 8, 11						
Other							
Cooling	Load and temperature control fan						
Product Dimension	127x41x249 mm / 5.00x1.61x9.80 inch (WxHxD)						
Packing	Per Product 1.6kgs ; Per Carton 9pcs / 16.9kgs / 0.55CUFT						

*Rated power could be de-rated when AC input is below 100VAC, please refer to datasheet

AE-1500

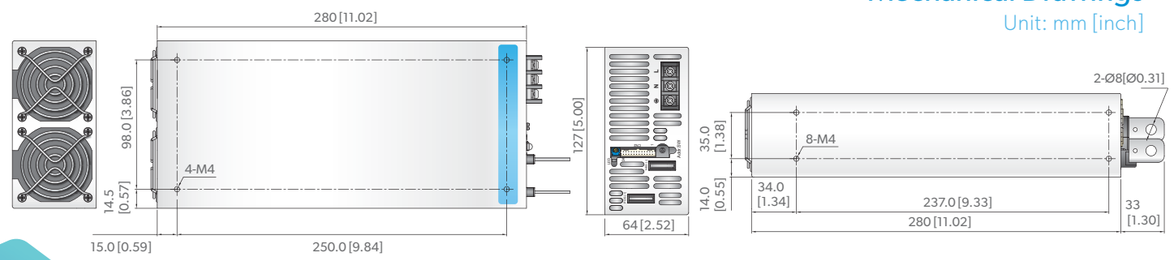
1500W Wide Programmable Range Single Output Power Supply

Features

- Universal AC input / Full range
- Programmable output voltage (0%~105%)
- Programmable output current (0%~105%)
- Forced current sharing at parallel operation
- Constant current limit
- Selectable +5V / 0.5A or +9V / 0.3A auxiliary output
- Remote setting multiple PSU via RS-232, RS-485 & I²C
- Power OK signal
- Remote ON / OFF, Remote sense function
- Protection: OVP, OLP, OTP, Fan failure

Mechanical Drawings

Unit: mm [inch]



	AE-1500-12	AE-1500-15	AE-1500-24	AE-1500-30	AE-1500-36	AE-1500-48	AE-1500-60	AE-1500-120
Output								
DC Voltage	12V	15V	24V	30V	36V	48V	60V	120V
Rated Current	125A	100A	62.5A	50A	41.7A	31.3A	25A	12.5A
Rated Power*	1500W							
Ripple & Noise (Max.)	150mVp-p	150mVp-p	240mVp-p	300mVp-p	360mVp-p	480mVp-p	600mVp-p	1200mVp-p
Voltage Adj. Range	± 5.0% Typical adjustment by potentiometer. (VR1)							
Voltage Tolerance	± 2.0%							
Line Regulation	± 1.0%							
Load Regulation	± 1.0%							
Setup, Rise Time	800ms, 100ms at full load							
Hold Up Time (Typ.)	14ms / 230VAC at full load							
Input								
Voltage Range	90 ~ 264VAC , 127 ~ 370VDC							
Frequency Range	47~63Hz							
Power Factor (Typ.)	0.95 / 230VAC, 0.99 / 115VAC at full load							
Efficiency (Typ.)	87.8%	89%	92%	92%	92%	92%	93%	93%
AC Current (Typ.)	18A / 115VAC, 9A / 230VAC							
Inrush Current (Typ.)	30A / 115VAC, 45A / 230VAC							
Leakage Current	< 2.5mA / 240VAC							
Protection								
Over Load	105% rated output power. Protection type: Constant current limit							
Over Voltage	Variable OVP, 120±7% Vout. Refer to VCI v.s. OVP curve in the datasheet Protection type: Latch-style (Recovery after reset AC power ON or inhibit)							
Over Temperature	85 ± 5°C detect on NTC, Protection type: Auto recovery after temperature goes down							
Function								
Auxiliary Power	Selectable +5V / 0.5A or +9V / 0.3A auxiliary output							
Remote ON/OFF Control	By external switch							
Power OK Signal	Open drain signal low when PSU turn on, Max. sink current: 20mA, Max. drain voltage: 40V							
Output Voltage Trim	Adjustment of output voltage is between 0~105% of rated output							
Output Current Trim	Adjustment of output current is between 0~105% of rated output							
Parallel (Current Sharing)	Yes, please refer to datasheet							
Environment								
Working Temperature	-25 ~ +60°C (Refer to load de-rating curve)							
Working Humidity	20 ~ 90% RH non-condensing							
Storage Temp. & Humidity	-40°C ~ 85°C, 10 ~ 95% RH							
Temperature Coefficient	± 0.02% / °C (0°C ~ 50°C)							
Vibration	10 ~ 500Hz, 2G 10min. / 1cycle, period for 60min. each along X, Y, Z axes Compliance to IEC 60068-2-6, IEC 60068-2-64							
Safety & EMC								
Safety Standards	Certified UL 60950-1; EN 60950-1							
Withstand Voltage	I/P-O/P: 3KVAC (4242VDC), I/P-FG: 1.5KVAC (2121VDC), O/P-FG: 0.5KVAC (707VDC)							
Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC							
EMI Conduction & Radiation	Certified EN 55032							
Power Harmonic & Voltage Fluctuation and Flicker	Certified EN 61000-3-2; EN 61000-3-3							
EMS Immunity	Certified EN 55024; IEC 61000-4-2, 3, 4, 5, 6, 8, 11							
Other								
Cooling	Load and temperature control fan							
Product Dimension	127x64x280 mm / 5.00x2.52x11.02 inch (WxHxD)							
Packing	Per Product 2.6kgs ; Per Carton 6pcs / 18.1kgs / 1.86CUFT							

*Rated power could be de-rated when AC input is below 110VAC (12V&15V), please refer to datasheet

AE-3000

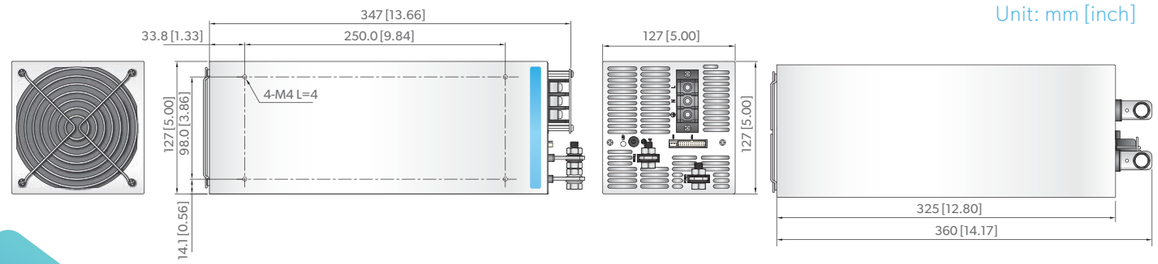
3000W Wide Programmable Range Single Output Power Supply

Features

- Universal AC input / Full range
- Programmable output voltage (0%~105%)
- Programmable output current (0%~105%)
- Forced current sharing at parallel operation
- Constant current limit
- Selectable +5V / 0.5A or +9V / 0.3A auxiliary output
- Remote setting multiple PSU via RS-232, RS-485 & I²C
- Power OK signal
- Remote ON / OFF, Remote sense function
- Protection: OVP, OLP, OTP, Fan failure

Mechanical Drawings

Unit: mm [inch]



	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
Rated Power*	3000W						
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)						
Voltage Tolerance	± 2.0%						
Line Regulation	± 1.0%						
Load Regulation	± 1.0%						
Setup, Rise Time	2000ms, 100ms at full load						
Hold Up Time (Typ.)	14ms / 230VAC at full load						
Input							
Voltage Range	90 ~ 264VAC , 127 ~ 370VDC						
Frequency Range	47~63Hz						
Power Factor (Typ.)	0.95 / 230VAC, 0.98 / 115VAC at full load						
Efficiency (Typ.)	89%	90%	91%	91%	92%	92%	93%
AC Current (Typ.)	36A / 115VAC (3000W), 18A / 230VAC (3000W)						
Inrush Current (Typ.)	60A / 115VAC, 90A / 230VAC						
Leakage Current	< 2.5mA / 240VAC						
Protection							
Over Load	105% rated output power. Protection type: Constant current limit						
Over Voltage	Variable OVP, 120±7% Vout. Refer to VCI v.s. OVP curve in the datasheet Protection type: Latch-style (Recovery after reset AC power ON or inhibit)						
Over Temperature	85 ± 5°C detect on NTC, Protection type: Auto recovery after temperature goes down						
Function							
Auxiliary Power	Selectable +5V / 0.5A or +9V / 0.3A auxiliary output						
Remote ON/OFF Control	By external switch						
Power OK Signal	Open drain signal low when PSU turn on, Max. sink current: 20mA, Max. drain voltage: 40V						
Output Voltage Trim	Adjustment of output voltage is between 0~105% of rated output						
Output Current Trim	Adjustment of output current is between 0~105% of rated output						
Parallel (Current Sharing)	Yes, please refer to datasheet						
Environment							
Working Temperature	-25 ~ +60°C (Refer to load de-rating curve)						
Working Humidity	20 ~ 90% RH non-condensing						
Storage Temp. & Humidity	-40°C ~ 85°C, 10 ~ 95% RH						
Temperature Coefficient	± 0.02% / °C (0°C ~ 50°C)						
Vibration	10 ~ 500Hz, 2G 10min. / 1cycle, period for 60min. each along X, Y, Z axes Compliance to IEC 60068-2-6, IEC 60068-2-64						
Safety & EMC							
Safety Standards	Certified UL 60950-1; EN 60950-1						
Withstand Voltage	I/P-O/P: 3KVAC (4242VDC), I/P-FG: 1.5KVAC (2121VDC), O/P-FG: 0.5KVAC (707VDC)						
Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC						
EMI Conduction & Radiation	Certified EN 55032						
Power Harmonic & Voltage Fluctuation and Flicker	Certified EN 61000-3-2; EN 61000-3-3						
EMS Immunity	Certified EN 55024; IEC 61000-4-2, 3, 4, 5, 6, 8, 11						
Other							
Cooling	Load and temperature control fan						
Product Dimension	127x127x325 mm / 5.00x5.00x12.80 inch (WxHxD)						
Packing	Per Product 5.3kgs ; Per Carton 4pcs / 23kgs / 1.86CUFT						

*Rated power could be de-rated when AC input is below 100VAC, please refer to datasheet

AEK-3000

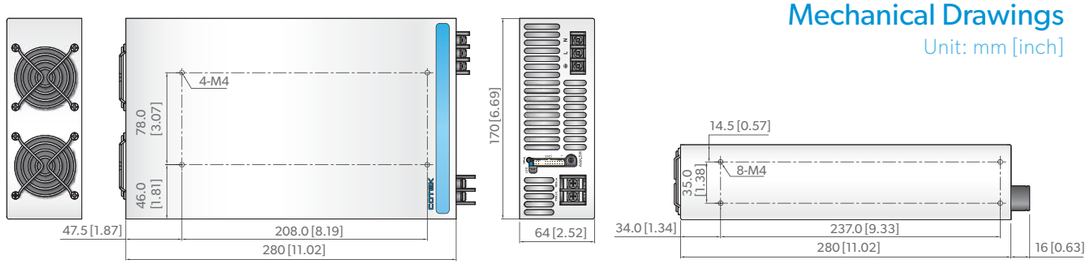
3000W 12~400VDC Wide Programmable Range Single Output Power Supply

Features

- Universal AC input / Full range
- Programmable output voltage (0%~105%)
- Programmable output current (0%~105%)
- High power density 16.3W / inch^3
- Forced current sharing at parallel operation
- Constant current limit
- Selectable +5V / 0.5A or +9V / 0.3A auxiliary output
- Remote setting multiple PSU via RS-232, RS-485 & I^{2}C
- Power OK signal
- Remote ON / OFF, remote sense function
- Protection: OVP, OLP, OTP, Fan failure

Mechanical Drawings

Unit: mm [inch]



COTEK

Low Output Voltage (LV)

	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	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 (Refer to de-rating curve)						
Efficiency (Typ.)	88%	89%	91%	91%	92%	92%	93%
Inrush Current (Typ.)	33A / 115VAC, 65A / 230VAC						

High Output Voltage (HV)

	AEK-3000-150	AEK-3000-200	AEK-3000-250	AEK-3000-300	AEK-3000-400
Output					
DC Voltage	150V	200V	250V	300V	400V
Rated Current	20A	15A	12A	10A	7.5A
Rated Power*	3000W				
Ripple & Noise (Max.)	150mVp-p	150mVp-p	300mVp-p	360mVp-p	600mVp-p
Voltage Adj. Range	± 5.0% Typical adjustment by potentiometer. (VR1)				
Input					
Voltage Range	90~264VAC, 127~370VDC (Refer to de-rating curve)				
Efficiency (Typ.)	93%				
Inrush Current (Typ.)	33A / 115VAC, 65A / 230VAC				

*Rated power could be de-rated when AC input is below 180VAC, please refer to datasheet

	AEK-3000
Protection	
Over Load	105% rated output power. Protection type: Constant current limit
Over Voltage	Variable OVP, 120±7% Vout. Refer to VCI v.s. OVP curve in the datasheet Protection type: Latch-style (Recovery after reset AC power ON or inhibit)
Over Temperature	85 ± 5°C detect on NTC, Protection type: Auto recovery after temperature goes down
Environment	
Working Temperature	-20 ~ +60°C (Refer to load de-rating curve)
Working Humidity	20 ~ 90% RH non-condensing
Storage Temp. & Humidity	-40°C ~ 85°C, 10 ~ 95% RH
Temperature Coefficient	± 0.02% / °C (0°C ~ 50°C)
Vibration	10 ~ 500Hz, 2G 10min. / 1cycle, period for 60min. each along X, Y, Z axes Compliance to IEC 60068-2-6, IEC 60068-2-64
Safety & EMC	
Safety Standards	Certified UL 62368-1; EN 62368-1
Withstand Voltage	I/O-O/P: 4000VDC, I/P-FG: 2500VDC, O/P-FG: 707VDC
Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC
EMI Conduction & Radiation	Certified EN 55032
Power Harmonic & Voltage Fluctuation and Flicker	Certified EN 61000-3-2; EN 61000-3-3
EMS Immunity	Certified EN 55024; IEC 61000-4-2, 3, 4, 5, 6, 8, 11
Other	
Cooling	Load and temperature control fan
Product Dimension	170x64x280 mm / 6.69x2.52x11.02 inch (WxHxD)
Packing	Per Product 3.9kgs ; Per Carton 6pcs / 25.6kgs / 2.48CUFT

AK-450

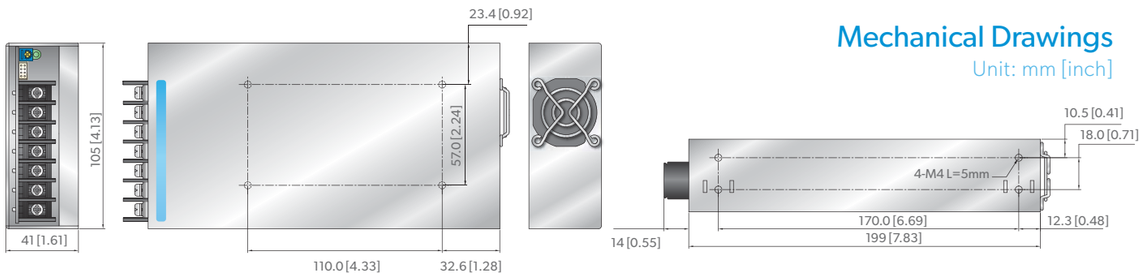
450W 150% Peak Load Industrial Switching Mode Power Supply

Features

- Universal AC input / Full range
- Built in active PFC function, PF > 0.90
- +5V / 0.3A auxiliary output
- 150% Peak load capability
- Constant current limit
- Power OK signal
- Remote ON / OFF, remote sense function
- Protection: OVP, OLP, OTP, SCP, Fan failure

Mechanical Drawings

Unit: mm [inch]



COTEK

	AK-450-12	AK-450-24	AK-450-30	AK-450-36	AK-450-48
Output					
DC Voltage	12V	24V	30V	36V	48V
Rated Current	37.5A	19A	15A	12.7A	9.5A
Current Range	0~37.5A	0~19A	0~15A	0~12.7A	0~9.5A
Rated Power*	450W				
Ripple & Noise (Max.)	< 1% (mVp-p), according to the rated output voltage				
Voltage Adj. Range	± 10% Typical adjustment by potentiometer				
Voltage Tolerance	± 1.0%				
Line Regulation	± 0.5%				
Load Regulation	± 0.5%				
Setup, Rise Time	800ms, 60ms at full load				
Hold Up Time (Typ.)	16ms / 230VAC at full load				
Input					
Voltage Range	90 ~ 264VAC , 127 ~ 373VDC				
Frequency Range	47~63Hz				
Power Factor (Typ.)	0.98 / 230VAC, 0.99 / 115VAC at full load				
Efficiency (Typ.)	89%	91%	91%	92%	93%
AC Current (Typ.)	4.5A / 1115VAC, 2.2A / 230VAC				
Inrush Current (Typ.)	27A / 115VAC, 54A / 230VAC				
Leakage Current	< 1.0mA / 240VAC				
Protection					
Over Load	Hiccup mode: When the rated output power is within 105~150% for more than 3 sec. Constant current limit: >150% rated power / short circuit Auto-recovery: If O/P drop to 40% of the rated output voltage, PSU will shutdown and auto recover 5 times (If fault condition remains after 5 times recovery, PSU will shutdown. User must re-power ON to recovery)				
Over Voltage	14.4~15.6V	28.8~31.2V	36.0~39.0V	43.2~46.8V	57.8~62.4V
	Protection type: Latch-style (Recovery after reset AC power ON or inhibit)				
Over Temperature	By detecting primary and secondary heat sink Protection type: Shutdown O/P voltage (Recovers automatically after temperature goes down)				
Function					
Auxiliary Power	5V / 0.3A (±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				
Environment					
Working Temperature	-20 ~ +70°C (Refer to load de-rating curve)				
Working Humidity	20 ~ 90% RH non-condensing				
Storage Temp. & Humidity	-40°C ~ 85°C, 10 ~ 95% RH				
Temperature Coefficient	± 0.02% / °C (0°C ~ 50°C)				
Vibration	10 ~ 500Hz, 5G 10min. / 1cycle, period for 60min. each along X, Y, Z axes Compliance to IEC 60068-2-6, IEC 60068-2-64				
Safety & EMC					
Safety Standards	Certified UL 60950-1; EN 60950-1				
Withstand Voltage	I/P-O/P: 3KVAC (4242VDC), I/P-FG: 1.5KVAC (2121VDC), O/P-FG: 0.5KVAC (707VDC)				
Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC				
EMI Conduction & Radiation	Certified EN 55032				
Power Harmonic & Voltage Fluctuation and Flicker	Certified EN 61000-3-2; EN 61000-3-3				
EMS Immunity	Certified EN 55024; IEC 61000-4-2, 3, 4, 5, 6, 8, 11				
Other					
Cooling	Load and temperature control fan				
Product Dimension	105x41x199 mm / 4.13x1.61x7.83 inch (WxHxD)				
Packing	Per Product 1.1kgs ; Per Carton 9pcs / 11.8kgs / 1.42CUFT				

*Rated power could be de-rated when AC input is below 100VAC, please refer to datasheet

AK-650

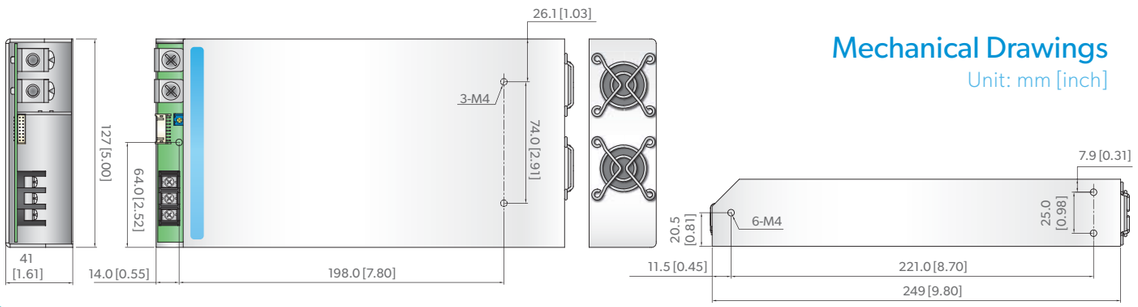
650W Programmable Single Output Power Supply

Features

- Universal AC input / Full range
- Programmable output voltage (30%~105%)
- Programmable output current (40%~105%)
- +5V / 0.5A auxiliary output
- Forced current sharing at parallel operation
- Power OK signal
- Remote ON / OFF, remote sense function
- Protection: OVP, OLP, OTP, SCP, Fan failure

Mechanical Drawings

Unit: mm [inch]



COTEK

	AK-650-05	AK-650-12	AK-650-15	AK-650-24	AK-650-27	AK-650-48
Output						
DC Voltage	5V	12V	15V	24V	27V	48V
Rated Current	100A	50A	40A	27A	24A	13.6A
Current Range	0 ~ 100A	0 ~ 50A	0 ~ 40A	0 ~ 27A	0 ~ 24A	0 ~ 13.6A
Rated Power*	500W	600W	600W	650W	650W	650W
Ripple & Noise (Max.)	150mVp-p	150mVp-p	< 1% (mVp-p), according to the rated output voltage			
Voltage Adj. Range	± 5.0% Typical adjustment by potentiometer. (VR1)					
Voltage Tolerance	± 1.0%					
Line Regulation	± 0.5%					
Load Regulation	± 0.5%					
Setup, Rise Time	800ms, 60ms 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.)	0.98 / 230VAC, 0.99 / 115VAC at full load					
Efficiency (Typ.)	83%	88%	88%	90%	90%	91%
AC Current (Typ.)	7.5A / 115VAC, 3.5A / 230VAC					
Inrush Current (Typ.)	27A / 115VAC, 54A / 230VAC					
Leakage Current	< 1.0mA / 240VAC					
Protection						
Over Load	105~125% rated output power Protection type: Total power limit, latch-style (recovery after reset AC power ON or inhibit)					
Over Voltage	Variable OVP, 125 ± 10% Vout. Protection type: Latch-style (Recovery after reset AC power ON or inhibit)					
Over Temperature	By detecting primary and secondary heat sink Protection type: Shutdown O/P voltage (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 40~105% of rated output					
Parallel	Yes, please refer to datasheet					
Environment						
Working Temperature	-25 ~ +60°C (Refer to load de-rating curve)					
Working Humidity	20 ~ 90% RH non-condensing					
Storage Temp. & Humidity	-40°C ~ 85°C, 10 ~ 95% RH					
Temperature Coefficient	± 0.02% / °C (0°C ~ 50°C)					
Vibration	10 ~ 500Hz, 5G 10min. / 1cycle, period for 60min. each along X, Y, Z axes Compliance to IEC 68-2-6; IEC 68-2-64					
Safety & EMC						
Safety Standards	Certified UL 60950-1; EN 60950-1					
Withstand Voltage	I/P-O/P: 3KVAC (4242VDC), I/P-FG: 1.5KVAC (2121VDC), O/P-FG: 0.5KVAC (707VDC)					
Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC					
EMI Conduction & Radiation	Certified EN 55032					
Power Harmonic & Voltage Fluctuation and Flicker	Certified EN 61000-3-2; EN 61000-3-3					
EMS Immunity	Certified EN 55024; IEC 61000-4-2, 3, 4, 5, 6, 8, 11					
Other						
Cooling	Load and temperature control fan					
Product Dimension	127x41x249 mm / 5.00x1.61x9.80 inch (WxHxD)					
Packing	Per Product 1.6kgs ; Per Carton 9pcs / 17.8kgs / 1.86CUFT					

*Rated power could be de-rated when AC input is below 100VAC, please refer to datasheet

AK-1000

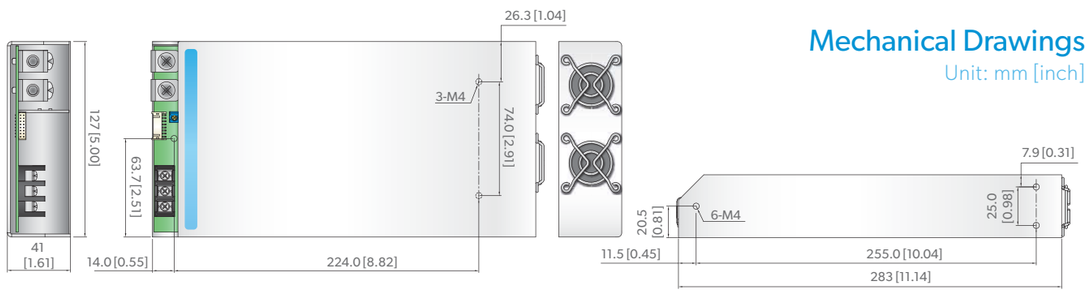
1000W Programmable Single Output Power Supply

Features

- Universal AC input / Full range
- Programmable output voltage (30%~105%)
- Programmable output current (40%~105%)
- +5V / 0.5A auxiliary output
- IU profile, high power density 11.1W / in^3
- Forced current sharing at parallel operation
- Power OK signal
- Remote ON / OFF, remote sense function
- Protection: OVP, OLP, OTP, SCP, Fan failure

Mechanical Drawings

Unit: mm [inch]



	AK-1000-12	AK-1000-15	AK-1000-24	AK-1000-27	AK-1000-48
Output					
DC Voltage	12V	15V	24V	27V	48V
Rated Current	62A	50A	40A	37A	21A
Current Range	0 ~ 62A	0 ~ 50A	0 ~ 40A	0 ~ 37A	0 ~ 21A
Rated Power*	744W	750W	1000W	1000W	1000W
Ripple & Noise (Max.)	150mVp-p	< 1% (mVp-p), according to the rated output voltage			
Voltage Adj. Range	± 5.0% Typical adjustment by potentiometer. (VR1)				
Voltage Tolerance	± 1.0%				
Line Regulation	± 0.5%				
Load Regulation	± 0.5%				
Setup, Rise Time	800ms, 60ms 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.)	0.98 / 230VAC, 0.99 / 115VAC at full load				
Efficiency (Typ.)	87%	88%	89%	89%	90%
AC Current (Typ.)	12A / 115VAC, 5A / 230VAC				
Inrush Current (Typ.)	27A / 115VAC, 54A / 230VAC				
Leakage Current	< 1.0mA / 240VAC				
Protection					
Over Load	105% rated output power Protection type: Total power limit, latch-style (recovery after reset AC power ON or inhibit)				
Over Voltage	Variable OVP, 125 ± 10% Vout. Protection type: Latch-style (Recovery after reset AC power ON or inhibit)				
Over Temperature	By detecting primary and secondary heat sink Protection type: Shutdown O/P voltage (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 40~105% of rated output				
Parallel	Yes, please refer to datasheet				
Environment					
Working Temperature	-25 ~ +60°C (Refer to load de-rating curve)				
Working Humidity	20 ~ 90% RH non-condensing				
Storage Temp. & Humidity	-40°C ~ 85°C, 10 ~ 95% RH				
Temperature Coefficient	± 0.02% / °C (0°C ~ 50°C)				
Vibration	10 ~ 500Hz, 5G 10min. / 1cycle, period for 60min. each along X, Y, Z axes Compliance to IEC 68-2-6; IEC 68-2-64				
Safety & EMC					
Safety Standards	Certified UL 60950-1; EN 60950-1				
Withstand Voltage	I/P-O/P: 3KVAC (4242VDC), I/P-FG: 1.5KVAC (2121VDC), O/P-FG: 0.5KVAC (707VDC)				
Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC				
EMI Conduction & Radiation	Certified EN 55032				
Power Harmonic & Voltage Fluctuation and Flicker	Certified EN 61000-3-2; EN 61000-3-3				
EMS Immunity	Certified EN 55024; IEC 61000-4-2, 3, 4, 5, 6, 8, 11				
Other					
Cooling	Load and temperature control fan				
Product Dimension	127x41x283 mm / 5.00x1.61x11.14 inch (WxHxD)				
Packing	Per Product 2.1kgs ; Per Carton 9pcs / 21kgs / 1.86CUFT				

*Rated power could be de-rated when AC input is below 100VAC, please refer to datasheet

AK-1500

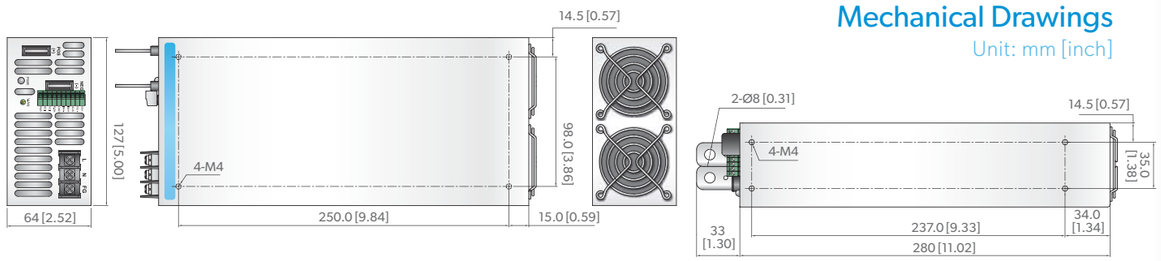
1500W Programmable Single Output Power Supply

Features

- Universal AC input / Full range
- Programmable output voltage (30%~105%)
- Programmable output current (40%~105%)
- +5V / 0.5A auxiliary output
- High power density 10.8W / in^3
- Forced current sharing at parallel operation
- Power OK signal
- Remote ON / OFF, remote sense function
- Protection: OVP, OLP, OTP, SCP, Fan failure

Mechanical Drawings

Unit: mm [inch]



	AK-1500-12	AK-1500-15	AK-1500-24	AK-1500-27	AK-1500-48
Output					
DC Voltage	12V	15V	24V	27V	48V
Rated Current	125A	100A	62.5A	55.5A	31.3A
Current Range	0 ~ 125A	0 ~ 100A	0 ~ 62.5A	0 ~ 55.5A	0 ~ 31.3A
Rated Power*	744W				
Ripple & Noise (Max.)	150mVp-p	< 1% (mVp-p), according to the rated output voltage			
Voltage Adj. Range	± 5.0% Typical adjustment by potentiometer. (VR1)				
Voltage Tolerance	± 1.0%				
Line Regulation	± 0.5%				
Load Regulation	± 0.5%				
Setup, Rise Time	800ms, 200ms 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.)	0.98 / 230VAC, 0.99 / 115VAC at full load				
Efficiency (Typ.)	87%	88%	89%	89%	90%
AC Current (Typ.)	18A / 115VAC, 9A / 230VAC				
Inrush Current (Typ.)	30A / 115VAC, 45A / 230VAC				
Leakage Current	< 2.5mA / 240VAC				
Protection					
Over Load	105 ~110% rated output power Protection type: Total power limit, latch-style (recovery after reset AC power ON or inhibit)				
Over Voltage	Variable OVP, 125 ± 5% Vout. Protection type: Latch-style (Recovery after reset AC power ON or inhibit)				
Over Temperature	80 ± 5°C Protection type: Shutdown O/P voltage (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 40~105% of rated output				
Parallel	Yes, please refer to datasheet				
Environment					
Working Temperature	-25 ~ +60°C (Refer to load de-rating curve)				
Working Humidity	20 ~ 90% RH non-condensing				
Storage Temp. & Humidity	-40°C ~ 85°C, 10 ~ 95% RH				
Temperature Coefficient	± 0.02% / °C (0°C ~ 50°C)				
Vibration	10 ~ 500Hz, 5G 10min. / 1cycle, period for 60min. each along X, Y, Z axes Compliance to IEC 60068-2-6-2007				
Safety & EMC					
Safety Standards	Certified UL 60950-1; EN 60950-1				
Withstand Voltage	I/P-O/P: 3KVAC (4242VDC), I/P-FG: 1.5KVAC (2121VDC), O/P-FG: 0.5KVAC (707VDC)				
Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC				
EMI Conduction & Radiation	Certified EN 55032				
Power Harmonic & Voltage Fluctuation and Flicker	Certified EN 61000-3-2; EN 61000-3-3				
EMS Immunity	Certified EN 55024; IEC 61000-4-2, 3, 4, 5, 6, 8, 11				
Other					
Cooling	Load and temperature control fan				
Product Dimension	127x64x280 mm / 5.00x2.52x11.02inch (WxHxD)				
Packing	Per Product 2.9kgs ; Per Carton 6pcs / 20.8kgs / 1.86CUFT				

*Rated power could be de-rated when AC input is below 100VAC, please refer to datasheet