

ADG-L SPECIFICATIONS

Model		ADG-L-160-25	ADG-L-330-12	ADG-L-330-25-4	ADG-L-160-50	ADG-L-330-24	ADG-L-330-50-8	ADG-L-660-12
Output Power		4kW	4kW	4kW	8kW	8kW	8kW	8kW
INPUT								
Input Voltage		1Φ 2W+G 187-264 Vac			1Φ 2W+G 187-264 Vac 3Φ4W+G 340-460 Vac			
Input Current		24A			1Φ : 48A 3Φ : 24A			
Input Frequency		47 Hz - 63 Hz						
Power Factor		≥ 0.99 at max. power						
OUTPUT								
Voltage		0~160V	0~330V	0~330V	0~160V	0~330V	0~330V	0~660V
Current		0~25A	0~12A	0~25A	0~50A	0~24A	0~50A	0~12A
Voltage Ripple (rms)		≤ 0.15% F.S.	≤ 0.08% F.S.	≤ 0.08% F.S.	≤ 0.15% F.S.	≤ 0.08% F.S.	≤ 0.08% F.S.	≤ 0.08% F.S.
Voltage Ripple (peak to peak)		≤ 1.6% F.S.	≤ 0.8% F.S.	≤ 0.8% F.S.	≤ 2.5% F.S.	≤ 1.6% F.S.	≤ 1.6% F.S.	≤ 0.8% F.S.
Voltage Line Regulation		≤ 0.03% F.S. ≤ 0.08% F.S.						
Voltage Load Regulation ^{*1}		≤ 0.08% F.S.	≤ 0.05% F.S.	≤ 0.05% F.S.	+ 80mV	≤ 0.08% F.S. + 80mV	≤ 0.08% F.S. + 80mV	≤ 0.05% F.S.
Current Ripple (rms)		≤ 0.15% F.S.	≤ 0.25% F.S.	≤ 0.15% F.S.	≤ 0.15% F.S.	≤ 0.25% F.S.	≤ 0.15% F.S.	≤ 0.5% F.S.
Current Line Regulation		≤ 0.05% F.S.						
Current Load Regulation		≤ 0.10% F.S.	≤ 0.10% F.S.	≤ 0.10% F.S.	≤ 0.2% F.S.	≤ 0.2% F.S.	≤ 0.2% F.S.	≤ 0.25% F.S.
Transient Response ^{*2}		≤ 3ms	≤ 3ms	≤ 3ms	≤ 3ms	≤ 3ms	≤ 3ms	≤ 3.5ms
Efficiency		≥ 90% at max. power						
Slew Rate ^{*3}	Rise Time	≤ 25ms	≤ 35ms	≤ 35ms	≤ 25ms	≤ 40ms	≤ 40ms	≤ 60ms
	Fall Time (Full Load)	≤ 30ms	≤ 40ms	≤ 40ms	≤ 35ms	≤ 45ms	≤ 45ms	≤ 45ms
	Fall Time (No Load)	≤ 10s						
Programming & Measurement								
Voltage Programming Accuracy		≤ 0.15%F.S.+100mV						
Voltage Measurement Accuracy		≤ 0.15%F.S.+100mV			≤ 0.15%F.S.+100mV			≤ 0.15%F.S.+100mV
Voltage Resolution		100mV						
Current Programming Accuracy		≤ 0.4%F.S.+60mA						
Current Measurement Accuracy		≤ 0.3%F.S.+60mA			≤ 0.3%F.S.+60mA			≤ 0.4%F.S.+60mA
Current Resolution		10mA						
General Specs.								
Interfaces		Standard: RS-485/RS-232 (Modbus) & Analog Optional: Ethernet/USB/RS-485/RS-232 (SCPI) or GPIB						
Remote sense compensation		≤ 5V						
Operating Temperature		0° C ~ 40° C						
Storage Temperature		-20° C ~ 70° C						
Protections		OVP・OCP・OPP・OTP・Vin OV・Vin UV・LDC OV Vin LV・Phase Fail・Fan Fail						
OVP Range		0~110% F.S.						
OCP Range		0~110% F.S.						
Dimension (HxWxD)		132 x 442 x 756 mm / 5.20 x 17.40 x 29.76 inches						
Weight		4kW: approx. 26kg / 57.32lbs 8kW: approx. 33kg / 72.75lbs						

ADG-L SPECIFICATIONS

Model	ADG-L-660-25-8		ADG-L-160-75	ADG-L-330-36	ADG-L-330-75-12	ADG-L-500-24	ADG-L-1000-12	ADG-L-1000-25-12
Output Power	8kW		12kW	12kW	12kW	12kW	12kW	12kW
INPUT								
Input Voltage	1Φ 2W+G 187-264 Vac 3Φ4W+G 340-460 Vac		1Φ 2W+G 187-264 Vac 3Φ3W+G 187-264 Vac 3Φ4W+G 340-460 Vac					
Input Current	1Φ : 48A 3Φ : 24A		1Φ : 72A 3Φ △ : 42A 3ΦY : 23A					
Input Frequency	47 Hz - 63 Hz							
Power Factor	≥ 0.99 at max. power							
OUTPUT								
Voltage	0~660V		0~160V	0~330V	0~330V	0~500V	0~1000V	0~1000V
Current	0~25A		0~75A	0~36A	0~75A	0~24A	0~12A	0~25A
Voltage Ripple (rms)	≤ 0.08% F.S.		≤ 0.15% F.S.	≤ 0.08% F.S.	≤ 0.08% F.S.	≤ 0.1% F.S.	≤ 0.06% F.S.	≤ 0.06% F.S.
Voltage Ripple (peak to peak)	≤ 0.8% F.S.		≤ 1.6% F.S.	≤ 1% F.S.	≤ 1% F.S.	≤ 0.8% F.S.	≤ 0.5% F.S.	≤ 0.5% F.S.
Voltage Line Regulation	≤ 0.03% F.S.							
Voltage Load Regulation ^{*1}	≤ 0.05% F.S.		≤ 0.25% F.S.	≤ 0.25% F.S.	≤ 0.25% F.S.	≤ 0.05% F.S.	≤ 0.05% F.S.	≤ 0.05% F.S.
Current Ripple (rms)	≤ 0.25% F.S.		≤ 0.1% F.S.	≤ 0.15% F.S.	≤ 0.1% F.S.	≤ 0.25% F.S.	≤ 0.5% F.S.	≤ 0.25% F.S.
Current Line Regulation	≤ 0.05% F.S.							
Current Load Regulation	≤ 0.25% F.S.		≤ 0.1% F.S.	≤ 0.1% F.S.	≤ 0.1% F.S.	≤ 0.15% F.S.	≤ 0.15% F.S.	≤ 0.15% F.S.
Transient Response ^{*2}	≤ 3.5ms		≤ 4ms	≤ 4ms	≤ 4ms	≤ 3ms	≤ 3ms	≤ 3ms
Efficiency	≥ 90% at max. power							
Slew Rate ^{*3}	Rise Time	≤ 60ms	≤ 25ms	≤ 35ms	≤ 35ms	≤ 45ms	≤ 90ms	≤ 90ms
	Fall Time (Full Load)	≤ 45ms	≤ 35ms	≤ 45ms	≤ 45ms	≤ 30ms	≤ 40ms	≤ 40ms
	Fall Time (No Load)	≤ 10s						
Programming & Measurement								
Voltage Programming Accuracy	≤ 0.15%F.S.+100mV							
Voltage Measurement Accuracy	≤ 0.15%F.S.+100mV	≤ 0.15%F.S.+100mV				≤ 0.15%F.S.+150mV		
Voltage Resolution	100mV							
Current Programming Accuracy	≤ 0.4%F.S.+60mA							
Current Measurement Accuracy	≤ 0.4%F.S.+60mA	≤ 0.4%F.S.+60mA				≤ 1%F.S.+150mA		
Current Resolution	10mA							
General Specs.								
Interfaces	Standard: RS-485/RS-232 (Modbus) & Analog Optional: Ethernet/USB/RS-485/RS-232 (SCPI) or GPIB							
Remote sense compensation	≤ 5V							
Operating Temperature	0° C ~ 40° C							
Storage Temperature	-20° C ~ 70° C							
Protections	OVP、OCP、OPP、OTP、Vin OV、Vin UV、LDC OV Vin LV、Phase Fail、Fan Fail							

OVP Range	0~110% F.S.
OCP Range	0~110% F.S.
Dimension (HxWxD)	132 x 442 x 756 mm / 5.20 x 17.40 x 29.76 inches
Weight	8kW: approx. 33kg / 72.75lbs 12kW: approx. 40kg / 88.18lbs

ADG-L Ordering Information

ADG-L-160-25	Programmable DC Power Supply
ADG-L-160-50	Programmable DC Power Supply
ADG-L-160-75	Programmable DC Power Supply
ADG-L-330-12	Programmable DC Power Supply
ADG-L-330-24	Programmable DC Power Supply
ADG-L-330-36	Programmable DC Power Supply
ADG-L-500-24	Programmable DC Power Supply
ADG-L-660-12	Programmable DC Power Supply
ADG-L-1000-12	Programmable DC Power Supply
ADG-L-330-25-4	Programmable DC Power Supply (Auto Range Model)
ADG-L-330-50-8	Programmable DC Power Supply (Auto Range Model)
ADG-L-330-75-12	Programmable DC Power Supply (Auto Range Model)
ADG-L-660-25-8	Programmable DC Power Supply (Auto Range Model)
ADG-L-1000-25-12	Programmable DC Power Supply (Auto Range Model)
ADG-L-001	Single-Phase Input Power Cord 3m (for 4kW/8kW)
ADG-L-002	Single-Phase Input Power Cord 5m (for 4kW/8kW)
ADG-L-003	Three-Phase Input Y Connection Power Cord 3m
ADG-L-004	Three-Phase Input Y Connection Power Cord 5m
ADG-L-005	Three-Phase Input Δ Connection Power Cord 3m
ADG-L-006	Three-Phase Input Δ Connection Power Cord 5m
ADG-L-007	RS-232/RS-485/USB/Ethernet (SCPI) Interface Board
ADG-L-008	Multiple Units Connection Cord DB25(Male * 2) 50 cm
ADG-L-013	GPIB Interface Board