

Programmable Power Supplies

EN



PROGRAMMABLE
POWER SUPPLIES

The new Z+ Series

One third smaller, 40% less weight and 50% higher power density compared to predecessor series.



Industrial



Test



Product features

- Same Package Size for 4 Output Power Models
- Interface: USB, RS232 & RS485, analogue control & monitoring
- Optional: LAN, GPIB (IEEE488) & isolated analogue interfaces
- Rackmount or bench model (6 units per 19" rack)
- 16 bit resolution and extremely fast programming response

More information you will find in our Catalog
"Programmable Power Supplies" or on Internet:
www.emea.tdk-lambda.com

Specifications

- 200, 400, 600, 800 W models in 2U
- Input voltage:
85-265 V AC single phase, 47-63 Hz
- Output voltage 10, 20, 36, 60, 100, 160,
320, 375, 650 V DC
- Up to 87% efficiency
- User programmable signal pins
- Waveform generator with internal storage
- 5 years warranty

Typical applications

- Test and measurement
- Part and component testing
- ATE and laser diodes
- Automotive

Product Summary Z⁺ 200 W – 800 W

			Interface					
			Standard	Wide Chassis				
Output Voltage [V DC]	Output Current [A]	Output Power [W]	LAN	L/L2*	IEEE	IS510/IS420	Model	Available
0~10	20	200	◦	◦	◦	◦	Z10-20	✓
	40	400	◦		◦	◦	Z10-40	✓
	60	600	◦		◦	◦	Z10-60	✓
	72	720	◦		◦	◦	Z10-72	✓
0~20	10	200	◦	◦	◦	◦	Z20-10	✓
	20	400	◦	◦	◦	◦	Z20-20	✓
	30	600	◦		◦	◦	Z20-30	✓
	40	800	◦		◦	◦	Z20-40	✓
0~36	6	216	◦	◦	◦	◦	Z36-6	✓
	12	432	◦	◦	◦	◦	Z36-12	✓
	18	648	◦	◦	◦	◦	Z36-18	✓
	24	864	◦	◦	◦	◦	Z36-24	✓
0~60	3.5	210	◦	◦	◦	◦	Z60-3.5	✓
	7	420	◦	◦	◦	◦	Z60-7	✓
	10	600	◦	◦	◦	◦	Z60-10	✓
	14	840	◦	◦	◦	◦	Z60-14	✓
0~100	2	200	◦	⊙	◦	◦	Z100-2	✓
	4	400	◦	⊙	◦	◦	Z100-4	✓
	6	600	◦	⊙	◦	◦	Z100-6	✓
	8	800	◦	⊙	◦	◦	Z100-8	✓

Interfaces: ◦ = Optional

⊙= Available in autumn

Dimensions (W x H x D): Z+ Standard 1/6 19" x 2U x 405* mm

Z+ Wide Chassis 1/4 19" x 2U x 405* mm

*Output Cover is included

* L: Output Current max. 24 A

* L2: CAT III-Type (isolated)

Warranty: 5 Years

Standard built-in: USB, RS-232/RS-485

			Interface					
			Standard	Wide Chassis				
Output Voltage [V DC]	Output Current [A]	Output Power [W]	LAN	L/L2*	IEEE	IS510/IS420	Model	Available
NEU 0~160	1.3	208	◦	⊙	◦	◦	Z160-1.3	✓
	2.6	416	◦	⊙	◦	◦	Z160-2.5	✓
	4	640	◦	⊙	◦	◦	Z160-4	Autumn
	5	800	◦	⊙	◦	◦	Z160-5	Autumn
NEU 0~320	0.65	208	◦	⊙	◦	◦	Z320-0.65	✓
	1.3	416	◦	⊙	◦	◦	Z320-1.3	✓
	2	640	◦	⊙	◦	◦	Z320-2	Autumn
	2.5	800	◦	⊙	◦	◦	Z320-2.5	Autumn
NEU 0~375	2.2	825	◦	⊙	◦	◦	Z375-2.2	Autumn
NEU 0~650	0.32	208	◦	⊙	◦	◦	Z650-0.32	✓
	0.64	416	◦	⊙	◦	◦	Z650-0.64	✓
	1	650	◦	⊙	◦	◦	Z650-1	Autumn
	1.25	812	◦	⊙	◦	◦	Z650-1.25	Autumn

Product-Code

Z+ 200 W – 800 W

Z

36

-

12

-

-

-

E

Series name

Output Voltage
(0~36 V)

Output Current
(0~12 A)

Option: IEEE
IS510
IS420
LAN

Output Jacks
L
L2

AC Cable
E - Europe
GB - United Kingdom
U - North America
I - Middle East

P/N:

- USB Interface built-in Standard

RS-232/RS-485 Interface Built-in Standard

IEEE 488.2 (GPIB) Interface

Voltage Programming Isolated Analog Interface

Current Programming Isolated Analog Interface

LAN Interface (Complies with **LXI** class C)

Front Panel Output Jacks (60 V or 24 A max)

Front Panel Output Jacks (CAT III, isolated)
- –

IEEE

IS510

IS420

LAN

L

L2

The powerful Genesys™ Series

Exceptional Reliability and Performance.



Industrial



Test



Product features

- Interface: RS232 & RS485, analogue control & monitoring
- Optional: LAN, IEEE, Power Sink and Fast Speed
- Rackmount or bench model (19" rack)
- Auto-restart/safe-start user-selectable

More information you will find in our Catalog
"Programmable Power Supplies" or on Internet:
www.emea.tdk-lambda.com

Specifications

- 750, 1500, 2400 W models in 1U
- 3300, 5000 W models in 2U
- 10000, 15000 W models in 3U
- Active/passive power factor correction (single-phase & three-phase AC input)
- Output voltage up to 600 V, output current up to 1000 A
- Up to 88% efficiency
- 5 years warranty

Typical applications

- Test and measurement
- Automation
- Part and component testing
- Automotive
- Burn-in

Product Summary 1U GENH 750 W (GEN 750 W – 2.4 kW)

Output Voltage [V DC]	Output Current [A]	Output Power [W]	Interface					PSINK	Dimensions	Model
			RS-232/ RS-485	Analog	LAN	IEEE	IS510/IS420 Isolated analog			
0~6	0~100	600	•	•	◦	◦	◦		1/2 19" x 1U x 480 mm	GENH6-100
	0~100	600	•	•	◦	◦	◦		19" x 1U x 498 mm	GEN6-100
	0~200	1200	•	•	◦	◦	◦		19" x 1U x 498 mm	GEN6-200
0~8	0~90	720	•	•	◦	◦	◦		1/2 19" x 1U x 480 mm	GENH8-90
	0~90	720	•	•	◦	◦	◦		19" x 1U x 498 mm	GEN8-90
	0~180	1440	•	•	◦	◦	◦		19" x 1U x 498 mm	GEN8-180
	0~300	2400	•	•	◦	◦	◦		19" x 1U x 486 mm	GEN8-300
0~10	0~240	2400	•	•	◦	◦	◦		19" x 1U x 486 mm	GEN10-240
0~12.5	0~60	750	•	•	◦	◦	◦		1/2 19" x 1U x 480 mm	GENH12.5-60
	0~120	750	•	•	◦	◦	◦	◦	19" x 1U x 498 mm	GEN12.5-60
	0~60	1500	•	•	◦	◦	◦	◦	19" x 1U x 498 mm	GEN12.5-120
0~16	0~150	2400	•	•	◦	◦	◦		19" x 1U x 486 mm	GEN16-150
0~20	0~38	760	•	•	◦	◦	◦		1/2 19" x 1U x 480 mm	GENH20-38
	0~38	760	•	•	◦	◦	◦	◦	19" x 1U x 498 mm	GEN20-38
	0~76	1520	•	•	◦	◦	◦	◦	19" x 1U x 498 mm	GEN20-76
	0~120	2400	•	•	◦	◦	◦		19" x 1U x 486 mm	GEN20-120
0~30	0~25	750	•	•	◦	◦	◦		1/2 19" x 1U x 480 mm	GENH30-25
	0~25	750	•	•	◦	◦	◦	◦	19" x 1U x 498 mm	GEN30-25
	0~50	1500	•	•	◦	◦	◦	◦	19" x 1U x 498 mm	GEN30-50
	0~80	2400	•	•	◦	◦	◦		19" x 1U x 486 mm	GEN30-80

Output Voltage [V DC]	Output Current [A]	Output Power [W]	Interface					PSINK	Dimensions	Model
			RS-232/ RS-485	Analog	LAN	IEEE	IS510/IS420 Isolated analog			
0~40	0~19	760	•	•	◦	◦	◦		1/2 19" x 1U x 480 mm	GENH40-19
	0~19	760	•	•	◦	◦	◦	◦	19" x 1U x 498 mm	GEN40-19
	0~38	1520	•	•	◦	◦	◦	◦	19" x 1U x 498 mm	GEN40-38
	0~60	2400	•	•	◦	◦	◦		19" x 1U x 486 mm	GEN40-60
0~50	0~30	1500	•	•	◦	◦	◦		19" x 1U x 498mm	GEN50-30
0~60	0~12.5	750	•	•	◦	◦	◦		1/2 19" x 1U x 480 mm	GENH60-12.5
	0~12.5	750	•	•	◦	◦	◦	◦	19" x 1U x 498 mm	GEN60-12.5
	0~25	1500	•	•	◦	◦	◦	◦	19" x 1U x 498 mm	GEN60-25
	0~40	2400	•	•	◦	◦	◦		19" x 1U x 486 mm	GEN60-40
0~80	0~9.5	760	•	•	◦	◦	◦		1/2 19" x 1U x 480 mm	GENH80-9.5
	0~9.5	760	•	•	◦	◦	◦		19" x 1U x 498 mm	GEN80-9.5
	0~19	1520	•	•	◦	◦	◦		19" x 1U x 498 mm	GEN80-19
	0~30	2400	•	•	◦	◦	◦		19" x 1U x 486 mm	GEN80-30

• = Standard, ◦ = Optional. **Warranty:** 5 Years. Optional for all Models: USB external solution. Dimensions including Bus bar enclosure



Product Summary 1U GENH 750 W (GEN 750 W – 2.4 kW)

Output Voltage [V DC]	Output Current [A]	Output Power [W]	Interface					PSINK	Dimensions	Model
			RS-232/ RS-485	Analog	LAN	IEEE	IS510/IS420 Isolated analog			
0~100	0~7.5	750	•	•	◦	◦	◦		1/2 19" x 1U x 480 mm	GENH100-7.5
	0~7.5	750	•	•	◦	◦	◦		19" x 1U x 498 mm	GEN100-7.5
	0~15	1500	•	•	◦	◦	◦		19" x 1U x 498 mm	GEN100-15
	0~24	2400	•	•	◦	◦	◦		19" x 1U x 486 mm	GEN100-24
0~150	0~5	750	•	•	◦	◦	◦		1/2 19" x 1U x 480 mm	GENH150-5
	0~5	750	•	•	◦	◦	◦		19" x 1U x 498 mm	GEN150-5
	0~10	1500	•	•	◦	◦	◦		19" x 1U x 498 mm	GEN150-10
	0~16	2400	•	•	◦	◦	◦		19" x 1U x 486 mm	GEN150-16
0~300	0~2.5	750	•	•	◦	◦	◦		1/2 19" x 1U x 480 mm	GENH300-2.5
	0~2.5	750	•	•	◦	◦	◦		19" x 1U x 498 mm	GEN300-2.5
	0~5	1500	•	•	◦	◦	◦		19" x 1U x 498 mm	GEN300-5
	0~8	2400	•	•	◦	◦	◦		19" x 1U x 486 mm	GEN300-8
0~600	0~1.3	780	•	•	◦	◦	◦		1/2 19" x 1U x 480 mm	GENH600-1.3
	0~1.3	780	•	•	◦	◦	◦		19" x 1U x 498 mm	GEN600-1.3
	0~2.6	1560	•	•	◦	◦	◦		19" x 1U x 498 mm	GEN600-2.6
	0~4	2400	•	•	◦	◦	◦		19" x 1U x 486 mm	GEN600-4

• = Standard, ◦ = Optional. **Warranty:** 5 Years. Optional for all Models: USB external solution. Dimensions including Bus bar enclosure

Product-Code

GENH 750 W 1U

GEN H	600	1.3		E
Series name	Output Voltage (0–600 V)	Output Current (0–1.3 A)	Option: IEEE IS510 IS420 LAN	AC Cable E. Europe GB. UK J. Japan I. Middle East U. USA O. unterminated BLANK: None

GEN 2400 W 1U

GEN	600	4		
Series name	Output Voltage	Output Current	Option: IEEE IS510 IS420 LAN	AC Input-Option: 1P230 (Single Phase 230 V AC) 3P208 (Three Phase 208 V AC)

GEN 750/1500 W mit Power Sink

GEN	60	25		PSINK	LN
Series name	Output Voltage	Output Current	Option: IEEE IS510 IS420 LAN		(Low Noise) Up to 60 V only

P/N:

RS-232/RS-485 Interface Built-in Standard –
 IEEE 488.2 (GPIB) Interface IEEE
 Voltage Programming Isolated Analog Interface IS510
 Current Programming Isolated Analog Interface IS420
 LAN Interface (Complies with **LXI** class C) LAN
 Power Sink PSINK



Product Summary 2U GEN 3.3 kW – 5.5 kW

Output Voltage [V DC]	Output Current [A]	Output Power [W]	Interface					FAST SPEED	Dimensions	Model
			RS-232/ RS-485	Analog	LAN	IEEE	Isolated analog			
0~8	0~400	3200	•	•	◦	◦	◦		19" x 2U x 518 mm	GEN8-400
	0~600	4800	•	•	◦	◦	◦		19" x 2U x 518 mm	GEN8-600
0~10	0~330	3300	•	•	◦	◦	◦		19" x 2U x 518 mm	GEN10-330
	0~500	5000	•	•	◦	◦	◦		19" x 2U x 518 mm	GEN10-500
0~15	0~220	3300	•	•	◦	◦	◦		19" x 2U x 518 mm	GEN15-220
0~16	0~310	4960	•	•	◦	◦	◦		19" x 2U x 498 mm	GEN16-310
0~20	0~165	3300	•	•	◦	◦	◦	◦	19" x 2U x 518 mm	GEN20-165
	0~250	5000	•	•	◦	◦	◦	◦	19" x 2U x 518 mm	GEN20-250
0~30	0~110	3300	•	•	◦	◦	◦		19" x 2U x 518 mm	GEN30-110
	0~170	5100	•	•	◦	◦	◦		19" x 2U x 518 mm	GEN30-170
0~40	0~85	3400	•	•	◦	◦	◦	◦	19" x 2U x 518 mm	GEN40-85
	0~125	5000	•	•	◦	◦	◦	◦	19" x 2U x 518 mm	GEN40-125
0~60	0~55	3300	•	•	◦	◦	◦		19" x 2U x 518 mm	GEN60-55
	0~85	5100	•	•	◦	◦	◦		19" x 2U x 518 mm	GEN60-85
0~80	0~42	3360	•	•	◦	◦	◦		19" x 2U x 518 mm	GEN80-42
	0~65	5200	•	•	◦	◦	◦		19" x 2U x 518 mm	GEN80-65
0~100	0~33	3300	•	•	◦	◦	◦		19" x 2U x 518 mm	GEN100-33
	0~50	5000	•	•	◦	◦	◦		19" x 2U x 518 mm	GEN100-50
0~150	0~22	3300	•	•	◦	◦	◦		19" x 2U x 518 mm	GEN150-22
	0~34	5100	•	•	◦	◦	◦		19" x 2U x 518 mm	GEN150-34
0~200	0~16.5	3300	•	•	◦	◦	◦		19" x 2U x 518 mm	GEN200-16.5
	0~25	5000	•	•	◦	◦	◦		19" x 2U x 518 mm	GEN200-25

Output Voltage [V DC]	Output Current [A]	Output Power [W]	Interface					FAST SPEED	Dimensions	Model
			RS-232/ RS-485	Analog	LAN	IEEE	Isolated analog			
0~300	0~11	3300	•	•	◦	◦	◦		19" x 2U x 518 mm	GEN300-11
	0~17	5100	•	•	◦	◦	◦		19" x 2U x 518 mm	GEN300-17
0~400	0~13	5200	•	•	◦	◦	◦		19" x 2U x 518 mm	GEN400-13
0~500	0~10	5000	•	•	◦	◦	◦		19" x 2U x 518 mm	GEN500-10
0~600	0~5.5	3300	•	•	◦	◦	◦		19" x 2U x 518 mm	GEN600-5.5
	0~8.5	5100	•	•	◦	◦	◦		19" x 2U x 518 mm	GEN600-8.5

• = Standard, ◦ = Optional. **Warranty:** 5 Years. Optional for all Models: USB external solution. Dimensions including Bus bar enclosure.

Product-Code

GEN 3.3 kW 2U

GEN	8	-	400	-		-	
Series name	Output Voltage (0~8 V)	Output Current (0~400 A)	Option: IEEE IS510 IS420 LAN	AC Input-Options: 1P230 (Single Phase 230 V AC) 3P208 (Three Phase 208 V AC) 3P400 (Three Phase 400 V AC)			

GEN 5 kW 2U

GEN	10	-	500	-		-	
Series name	Output Voltage (0~10 V)	Output Current (0~500 A)	Option: IEEE IS510 IS420 LAN	AC Input-Options: 3P208 (Three Phase 208 V AC) 3P400 (Three Phase 400 V AC)			

P/N:

RS-232/RS-485 Interface Built-in Standard

IEEE 488.2 (GPIB) Interface

Voltage Programming Isolated Analog Interface

Current Programming Isolated Analog Interface

LAN Interface (Complies with **XX** class C)

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IEEE

IS510

IS420

LAN



Product Summary 3U GEN 10 kW – 15 kW

Output Voltage [V DC]	Output Current [A]	Output Pow- er [W]	Interface					Dimensions	Model
			RS-232/ RS-485	Analog	LAN	IEEE	Isolated analog		
0~7.5	0~1000	7.5 k	•	•	◦	◦	◦	19" x 3U x 622 mm	GEN7.5-1000
0~10	0~1000	10 k	•	•	◦	◦	◦	19" x 3U x 622 mm	GEN10-1000
0~12.5	0~800	10 k	•	•	◦	◦	◦	19" x 3U x 622 mm	GEN12.5-800
0~20	0~500	10 k	•	•	◦	◦	◦	19" x 3U x 622 mm	GEN20-500
0~25	0~400	10 k	•	•	◦	◦	◦	19" x 3U x 622 mm	GEN25-400
0~30	0~333	10 k	•	•	◦	◦	◦	19" x 3U x 622 mm	GEN30-333
0~40	0~250	10 k	•	•	◦	◦	◦	19" x 3U x 622 mm	GEN40-250
0~50	0~200	10 k	•	•	◦	◦	◦	19" x 3U x 622 mm	GEN50-200
0~60	0~167	10 k	•	•	◦	◦	◦	19" x 3U x 622 mm	GEN60-167
	0~250	15 k	•	•	◦	◦	◦	19" x 3U x 622 mm	GEN60-250
0~80	0~125	10 k	•	•	◦	◦	◦	19" x 3U x 622 mm	GEN80-125
	0~187.5	15 k	•	•	◦	◦	◦	19" x 3U x 622 mm	GEN80-187.5
0~100	0~100	10 k	•	•	◦	◦	◦	19" x 3U x 622 mm	GEN100-100
	0~150	15 k	•	•	◦	◦	◦	19" x 3U x 622 mm	GEN100-150
0~125	0~80	10 k	•	•	◦	◦	◦	19" x 3U x 622 mm	GEN125-80
	0~120	15 k	•	•	◦	◦	◦	19" x 3U x 622 mm	GEN125-120
0~150	0~66	10 k	•	•	◦	◦	◦	19" x 3U x 622 mm	GEN150-66
	0~100	15 k	•	•	◦	◦	◦	19" x 3U x 622 mm	GEN150-100
0~200	0~50	10 k	•	•	◦	◦	◦	19" x 3U x 622 mm	GEN200-50
	0~75	15 k	•	•	◦	◦	◦	19" x 3U x 622 mm	GEN200-75
0~250	0~40	10 k	•	•	◦	◦	◦	19" x 3U x 622 mm	GEN250-40
	0~60	15 k	•	•	◦	◦	◦	19" x 3U x 622 mm	GEN250-60

Output Voltage [V DC]	Output Current [A]	Output Pow- er [W]	Interface					Dimensions	Model
			RS-232/ RS-485	Analog	LAN	IEEE	Isolated analog		
0~300	0~33	9.9 k	•	•	◦	◦	◦	19" x 3U x 622 mm	GEN300-33
	0~50	15 k	•	•	◦	◦	◦	19" x 3U x 622 mm	GEN300-50
0~400	0~25	10 k	•	•	◦	◦	◦	19" x 3U x 622 mm	GEN400-25
	0~37.5	15 k	•	•	◦	◦	◦	19" x 3U x 622 mm	GEN400-37.5
0~500	0~20	10 k	•	•	◦	◦	◦	19" x 3U x 622 mm	GEN500-20
	0~30	15 k	•	•	◦	◦	◦	19" x 3U x 622 mm	GEN500-30
0~600	0~17	10.2 k	•	•	◦	◦	◦	19" x 3U x 622 mm	GEN600-17
	0~25	15 k	•	•	◦	◦	◦	19" x 3U x 622 mm	GEN600-25

• = Standard, ◦ = Optional. **Warranty:** 5 Years. Optional for all Models: USB external solution. Dimensions including Bus bar enclosure

Product-Code

GEN 10/15 kW 3U

GEN	10	-	1000	-	MD	-	
Series name	Output Voltage (0~10 V)	Output Current (0~1000 A)	Option: IEMD IS510 IS420 LAN	AC Input-Options: 3P208 (Three Phase 208 V AC) 3P400 (Three Phase 400 V AC) 3P480 (Three Phase 480 V AC)			



P/N:

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IEMD
IS510
IS420
LAN

RS-232/RS-485 Interface Built-in Standard

GPIB (Multi Drop Master) Interface

Voltage Programming Isolated Analog Interface

Current Programming Isolated Analog Interface

(Complies with **EN** class C)

