Programmable Power Supplies

A lot to offer in 2U: ≷⁺ Series

High density, highly flexible, many applications

TDK·Lambda

Product features

- Same package size (2U format) for all models
- Benchtop and rack mounted (19")
- 16 bit resolution and extremely fast programming response
- Integrated Arbitrary waveform generation with internal storage for up to four individual sequencing curves
- High functionality for a wide variety of test applications
- Extensively equipped (including software package)
- Interface: USB, RS-232 & RS-485, analogue control & monitoring
- Optional: LAN, IEEE, isolated analogue interfaces & front panel output sockets

Specifications

- 200, 400, 600, 800W models in 2U
- Input voltage:
  85-265Vac single phase, 47-63Hz
- Output voltage 10, 20, 36, 60, 100, 160, 320, 375, 650Vdc
- Up to 89% efficiency
- User programmable signal pins
- 5 years warranty

Typical applications

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

Product Summary Z+ 200-800W

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

Interface: ° = Optional   Warranty: 5 Years   Standard built-in: USB, RS-232/RS-485

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: max. 24A or 60V
L2: CAT III Type: max. 24A or 650V

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

Product-Code Z+ 200-800W

| Z | - | 36 | - | 12 | - | | - | | - | |

Series Name — Output Voltage (0~36V) — Output Current (0~12A) — Interface Options — Front Panel Output Jacks — AC Cable

Interface Options (Factory installed) — P/N:
USB, RS-232/RS-485 Interface, analogue Interface (non-isolated) — -

Interface Options (Optional) — P/N:
LAN Interface (Complies with **LXI** class C) — LAN
IEEE 488.2 (GPIB) Interface — IEEE
0-5V/10V: analogue Interface (isolated) — IS510
4-20mA: analogue Interface (isolated) — IS420

Front Panel Output Jack (Optional) — P/N:
60V or 24A max. — L
CAT III type: 650V or 24A max. — L2

AC Cable (Optional) — P/N:
Europe — E
United Kingdom — GB
North America — U
Middle East — I

The next Generation G+NESYS™ Series

High performance, high functionality, highest power density

TDK·Lambda

Product features

- Industry leading power density
- Constant voltage/constant current/constant power limit control
- Scalable power systems up to 20kW
- Adjustable slew rate control
- Arbitrary waveform function and profile storage
- Internal resistance control
- RS-232 & RS-485, USB, LAN (**LXI** 1.5) and isolated analogue interfaces as standard
- Optional Interface slot for IEEE 488.2 SCPI, Anybus interface
- Options: blank front panel, dust filter cover
- Extension: **I-SINK** function (electronic power sink)

Specifications

- 1.7, 2.7, 3.4, 5kW models in 1U
- 10kW models in 2U
- 15kW models in 3U
- Output voltage up to 600V, current up to 1500A
- Up to 92% efficiency
- 5 years warranty

Typical applications

- Test and measurement
- Automation
- Component Device Testing
- Automotive
- Burn-in
- Medical Imaging

More about our complete range of programmable power supplies at: www.emea.tdk-lambda.com

GENESYS™ Family Output Voltage and Current

Model	G (Std Front Panel Display) / GB (Blank Front Panel Display)		GSP (Scalable Power)	
Rated Power	**1.7kW**	**5kW**	**10kW**	**15kW**
Output Voltage [Vdc]	**Output Current [A]**			
0~10	0~170	0~500	0~1000	0~1500
0~20	0~85	0~250	0~500	0~750
0~30	0~56	0~170	0~340	0~510
0~40	0~42	0~125	0~250	0~375
0~60	0~28	0~85	0~170	0~255
0~80	0~21	0~65	0~130	0~195
0~100	0~17	0~50	0~100	0~150
0~150	0~11.2	0~34	0~68	0~102
0~300	0~5.6	0~17	0~34	0~51
0~600	0~2.8	0~8.5	0~17	0~25.5
Weight [kg/lb]	5/11	7.5/16.5	15.5/34.2	23.5/51.8

AC Input Range

Rated Power	1.7kW	5kW	10kW	15kW
1Ø, 85-265Vac	*	N/A	N/A	N/A
3P208	N/A	*	*	*
3P400	N/A	*	*	*
3P480	N/A	*	*	*

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Product Summary 1U GENESYS+™ G (1.7-5kW)

Output Voltage [Vdc]	Output Current [A]	Output Power [W]	Interface					Dimensions*	Model
			RS-232/ RS-485/USB	Isolated Analogue	LAN	IEEE	Anybus		
0~10	0~170	1700	•	•	•	○	○	19" x 1U x 554 mm	G10-170
	0~265	2700	•	•	•	○	○	19" x 1U x 554 mm	G10-265**
	0~340	3400	•	•	•	○	○	19" x 1U x 554 mm	G10-340**
	0~500	5000	•	•	•	○	○	19" x 1U x 554 mm	G10-500
0~20	0~85	1700	•	•	•	○	○	19" x 1U x 554 mm	G20-85
	0~135	2700	•	•	•	○	○	19" x 1U x 554 mm	G20-135**
	0~170	3400	•	•	•	○	○	19" x 1U x 554 mm	G20-170**
	0~250	5000	•	•	•	○	○	19" x 1U x 554 mm	G20-500
0~30	0~56	1680	•	•	•	○	○	19" x 1U x 554 mm	G30-56
	0~90	2700	•	•	•	○	○	19" x 1U x 554 mm	G30-90**
	0~112	3360	•	•	•	○	○	19" x 1U x 554 mm	G30-112**
	0~170	5100	•	•	•	○	○	19" x 1U x 554 mm	G30-170
0~40	0~42	1680	•	•	•	○	○	19" x 1U x 554 mm	G40-42
	0~68	2720	•	•	•	○	○	19" x 1U x 554 mm	G40-68**
	0~85	3400	•	•	•	○	○	19" x 1U x 554 mm	G40-85**
	0~125	5000	•	•	•	○	○	19" x 1U x 554 mm	G40-125
0~60	0~28	1680	•	•	•	○	○	19" x 1U x 554 mm	G60-28
	0~45	2700	•	•	•	○	○	19" x 1U x 554 mm	G60-45**
	0~56	3360	•	•	•	○	○	19" x 1U x 554 mm	G60-56**
	0~85	5100	•	•	•	○	○	19" x 1U x 554 mm	G60-85

Interfaces: • = Standard   Warranty: 5 Years   Dimensions (W x H x D): 19" x 1U x 442 mm (w/o bussbar, cover), *with bussbar, cover   ** Coming soon
○ = Optional

Product Summary 1U GENESYS+™ G (1.7-5kW)

Output Voltage [Vdc]	Output Current [A]	Output Power [W]	Interface					Dimensions*	Model
			RS-232/ RS-485/USB	Isolated Analogue	LAN	IEEE	Anybus		
0~80	0~21	1680	•	•	•	○	○	19" x 1U x 554 mm	G80-21
	0~34	2720	•	•	•	○	○	19" x 1U x 554 mm	G80-34**
	0~42	3360	•	•	•	○	○	19" x 1U x 554 mm	G80-42**
	0~65	5200	•	•	•	○	○	19" x 1U x 554 mm	G80-65
0~100	0~17	1700	•	•	•	○	○	19" x 1U x 554 mm	G100-17
	0~27	2700	•	•	•	○	○	19" x 1U x 554 mm	G100-27**
	0~34	3400	•	•	•	○	○	19" x 1U x 554 mm	G100-34**
	0~50	5000	•	•	•	○	○	19" x 1U x 554 mm	G100-50
0~150	0~11.2	1680	•	•	•	○	○	19" x 1U x 554 mm	G150-11.2
	0~18	2700	•	•	•	○	○	19" x 1U x 554 mm	G150-18**
	0~22.5	3375	•	•	•	○	○	19" x 1U x 554 mm	G150-22.5**
	0~34	5100	•	•	•	○	○	19" x 1U x 554 mm	G150-34
0~300	0~5.6	1680	•	•	•	○	○	19" x 1U x 554 mm	G300-5.6
	0~9	2700	•	•	•	○	○	19" x 1U x 554 mm	G300-9**
	0~11.5	3375	•	•	•	○	○	19" x 1U x 554 mm	G300-11.5**
	0~17	5100	•	•	•	○	○	19" x 1U x 554 mm	G300-17
0~600	0~2.8	1680	•	•	•	○	○	19" x 1U x 554 mm	G600-2.8
	0~4.5	2700	•	•	•	○	○	19" x 1U x 554 mm	G600-4.5**
	0~5.6	3360	•	•	•	○	○	19" x 1U x 554 mm	G600-5.6**
	0~8.5	5100	•	•	•	○	○	19" x 1U x 554 mm	G600-8.5

Interfaces: • = Standard   Warranty: 5 Years   Dimensions (W x H x D): 19" x 1U x 442 mm (w/o bussbar, cover), *with bussbar, cover   ** Coming soon
○ = Optional

Product-Code

GENESYS+™ G (1.7kW)

G		-	10	-	170	-		-	

Series Name

Output Voltage
(0~10V)

Output Current
(0~170A)

**Interface
Options**

**Accessories
Options**

Front Panel Type	P/N:
Standard	-
Blank Front Panel	B

AC Inputs (All Models): Single Phase: 85~265Vac

GENESYS+™ G (2.7/3.4kW) *coming soon*

G		-	10	-	340	-		-		-	

Series Name

Output Voltage
(0~10V)

Output Current
(0~340A)

**Interface
Options**

**AC Input
Options**

**Accessories
Options**

Front Panel Type	P/N:
Standard	-
Blank Front Panel	B

GENESYS+™ G (5kW)

G		-	10	-	500	-		-		-	

Series Name

Output Voltage
(0~10V)

Output Current
(0~500A)

**Interface
Options**

**AC Input
Options**

**Accessories
Options**

Front Panel Type	P/N:
Standard	-
Blank Front Panel	B

Interface Options (Factory installed)	P/N:
RS-232/RS-485: analogue Interface (isolated)	-
USB 2.0	-
LAN Interface (Complies with **LXI** class C)	-
0-5V/10V: analogue Interface (isolated)	-

Interface Options (Optional)	P/N:
IEEE 488.2 (GPIB) Interface	IEEE
Modbus-TCP *coming soon*	MDBS
EtherCat *coming soon*	ECAT

AC Input Options	P/N:
Single Phase 170~265Vac *2.7/3.4 kW only*	1P208
Three Phase 170~265Vac	3P208
Three Phase 342~460Vac	3P400
Three Phase 342~528Vac	3P480

Accessories Options	P/N:
Printed User Manual	M
(User Manual & GUI on CD as Standard)	
Bus Paralleling Cable	P

Product Summary GENESYS+™ GSP (2U 10kW / 3U 15kW)

Output Voltage [Vdc]	Output Current [A]	Output Power [kW]	Interface					Dimensions*	Model
			RS-232/ RS-485/USB	Isolated Analogue	LAN	IEEE	Anybus		
0~10	0~1000	10	•	•	•	○	○	19" x 2U x 665 mm	GSP10-1000
	0~1500	15	•	•	•	○	○	19" x 3U x 665 mm	GSP10-1500
0~20	0~500	10	•	•	•	○	○	19" x 2U x 665 mm	GSP20-500
	0~750	15	•	•	•	○	○	19" x 3U x 665 mm	GSP20-750
0~30	0~340	10.2	•	•	•	○	○	19" x 2U x 665 mm	GSP30-340
	0~510	15.3	•	•	•	○	○	19" x 3U x 665 mm	GSP30-510
0~40	0~250	10	•	•	•	○	○	19" x 2U x 665 mm	GSP40-250
	0~375	15	•	•	•	○	○	19" x 3U x 665 mm	GSP40-375
0~60	0~170	10.2	•	•	•	○	○	19" x 2U x 665 mm	GSP60-170
	0~255	15.3	•	•	•	○	○	19" x 3U x 665 mm	GSP60-255
0~80	0~130	10.4	•	•	•	○	○	19" x 2U x 665 mm	GSP80-130
	0~195	15.6	•	•	•	○	○	19" x 3U x 665 mm	GSP80-195
0~100	0~100	10	•	•	•	○	○	19" x 2U x 665 mm	GSP100-100
	0~150	15	•	•	•	○	○	19" x 3U x 665 mm	GSP100-150
0~150	0~68	10.2	•	•	•	○	○	19" x 2U x 665 mm	GSP150-68
	0~102	15.3	•	•	•	○	○	19" x 3U x 665 mm	GSP150-102
0~300	0~34	10.2	•	•	•	○	○	19" x 2U x 665 mm	GSP300-34
	0~51	15.3	•	•	•	○	○	19" x 3U x 665 mm	GSP300-51
0~600	0~17	10.2	•	•	•	○	○	19" x 2U x 665 mm	GSP600-17
	0~25.5	15.3	•	•	•	○	○	19" x 3U x 665 mm	GSP600-25.5

Interfaces: • = Standard   Warranty: 5 Years   Dimensions (W x H x D): 19" x 2/3U x 442 mm (w/o bussbar, cover), *with bussbar enclosure
           ○ = Optional

Product-Code

GENESYS+™ GSP (10/15kW)

G		SP	-	10	-	1500	-		-		-	

Series Name

Output Voltage
(0~10V)

Output Current
(0~1500A)

Interface Options

AC Input Options

Accessories Options

Front Panel Type	P/N:
Standard	-
Blank Front Panel	B

Interface Options (Factory installed)	P/N:
RS-232/RS-485: analogue Interface (isolated)	-
USB 2.0	-
LAN Interface (Complies with **LXI** class C)	-
0-5V/10V: analogue Interface (isolated)	-

Interface Options (Optional)	P/N:
IEEE 488.2 (GPIB) Interface	IEEE
Modbus-TCP *coming soon*	MDBS
EtherCat *coming soon*	ECAT

AC Input Options	P/N:
Three Phase 170~265Vac	3P208
Three Phase 342~460Vac	3P400
Three Phase 342~528Vac	3P480

Accessories Options	P/N:
Printed User Manual	M
(User Manual & GUI on CD as Standard)	

The powerful *Genesys™* Series

Exceptional Reliability and Performance – up to 1500V

TDK·Lambda

Product features

- Benchtop and rack mounted (19")
- Auto-restart/safe-start user-selectable
- Interfaces: RS-232 & RS-485, analogue control & monitoring
- Optional: LAN, IEEE, Power Sink and Fast Speed
- Extension: **I-SINK** function (electronic power sink)

Specifications

- 750, 1500, 2400W models in 1U
- 3.3, 5kW models in 2U
- 10, 15kW models in 3U
- Active/passive power factor correction (single-phase & three-phase AC input)
- Output voltage up to 1500V, output current up to 1000A
- Up to 88% efficiency
- 5 years warranty

Typical applications

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

More about our complete range of programmable power supplies at: www.emea.tdk-lambda.com

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

Output Voltage [Vdc]	Output Current [A]	Output Power [W]	Interface						Dimensions	Model
			RS-232/ RS-485	Analogue	LAN	IEEE	IS510/IS420 Isolated analogue	PSINK		
0~6	0~100	600	•	•	○	○	○		½ 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	•	•	○	○	○		½ 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	•	•	○	○	○		½ 19" x 1U x 480 mm	GENH12.5-60
	0~60	750	•	•	○	○	○	○	19" x 1U x 498 mm	GEN12.5-60
	0~120	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	•	•	○	○	○		½ 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	•	•	○	○	○		½ 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 [Vdc]	Output Current [A]	Output Power [W]	Interface						Dimensions	Model
			RS-232/ RS-485	Analogue	LAN	IEEE	IS510/IS420 Isolated analogue	PSINK		
0~40	0~19	760	•	•	○	○	○		½ 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	•	•	○	○	○		½ 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 506 mm	GEN60-40
0~80	0~9.5	760	•	•	○	○	○		½ 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 506 mm	GEN80-30

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

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

Output Voltage [Vdc]	Output Current [A]	Output Power [W]	RS-232/ RS-485	Analogue	LAN	IEEE	IS510/IS420 Isolated analogue	PSINK	Dimensions	Model
			Interface							
0~100	0~7.5	750	•	•	○	○	○		½ 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 506 mm	GEN100-24
0~150	0~5	750	•	•	○	○	○		½ 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 506 mm	GEN150-16
0~300	0~2.5	750	•	•	○	○	○		½ 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 506 mm	GEN300-8
0~600	0~1.3	780	•	•	○	○	○		½ 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 506 mm	GEN600-4

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

Product-Code

GENH 750W 1U

GEN H	-	600	-	1.3	-		-	

Series Name | **Output Voltage** (0~600V) | **Output Current** (0~1.3A) | **Interface Options** | **AC Cable**

GEN 2400W 1U

GEN	-	40	-	60	-		-	

Series Name | **Output Voltage** (0~40V) | **Output Current** (0~60A) | **Interface Options** | **AC Input Options**

GEN 750/1500 W with Power Sink

GEN	-	60	-	25	-		-	PSINK	-	LN

Series Name | **Output Voltage** (0~60V) | **Output Current** (0~25A) | **Interface Options** | **Low Noise** Up to 60V only

Interface Options (Factory installed)	**P/N:**
RS-232/RS-485 Interface, analogue Interface (non-isolated)	-

Interface Options (Optional)	**P/N:**
LAN Interface (Complies with **LXI** class C)	LAN
IEEE 488.2 (GPIB) Interface	IEEE
0-5V/10V: analogue Interface (isolated)	IS510
4-20mA: analogue Interface (isolated)	IS420

Power Sink	**P/N:**
750/1500W, 12.5-60V models	PSINK

AC Cable (Optional) *750W only*	**P/N:**
Europe	E
United Kingdom	GB
North America	U
Middle East	I

AC Input Options	**P/N:**
Single Phase 230Vac	1P230
Three Phase 208Vac	3P208

Product Summary 2U GEN 3.3-5.5kW

Output Voltage [Vdc]	Output Current [A]	Output Power [W]	Interface						Dimensions	Model
			RS-232/ RS-485	Analogue	LAN	IEEE	Isolated analogue	FAST SPEED		
0~8	0~400	3200	•	•	○	○	○		19" x 2U x 498 mm	GEN8-400
	0~600	4800	•	•	○	○	○		19" x 2U x 518 mm	GEN8-600
0~10	0~330	3300	•	•	○	○	○		19" x 2U x 498 mm	GEN10-330
	0~500	5000	•	•	○	○	○		19" x 2U x 518 mm	GEN10-500
0~15	0~220	3300	•	•	○	○	○		19" x 2U x 498 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 498 mm	GEN20-165
	0~250	5000	•	•	○	○	○	○	19" x 2U x 518 mm	GEN20-250
0~30	0~110	3300	•	•	○	○	○	○	19" x 2U x 498 mm	GEN30-110
	0~170	5100	•	•	○	○	○	○	19" x 2U x 518 mm	GEN30-170
0~40	0~85	3400	•	•	○	○	○	○	19" x 2U x 498 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 [Vdc]	Output Current [A]	Output Power [W]	Interface						Dimensions	Model
			RS-232/ RS-485	Analogue	LAN	IEEE	Isolated analogue	FAST SPEED		
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

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

Product-Code

GEN 3.3kW 2U

GEN	-	8	-	400	-		-		-	F

Series Name | **Output Voltage** (0~8V) | **Output Current** (0~400A) | **Interface Options** | **AC Input Options** | **Fast Speed Option**

GEN 5kW 2U

GEN	-	10	-	500	-		-	

Series Name | **Output Voltage** (0~10V) | **Output Current** (0~500A) | **Interface Options** | **AC Input Options**

Interface Options (Factory installed)   **P/N:**
RS-232/RS-485 Interface, analogue Interface (non-isolated)   -

Interface Options (Optional)   **P/N:**
LAN Interface (Complies with **LXI** class C)   LAN
IEEE 488.2 (GPIB) Interface   IEEE
0-5V/10V: analogue Interface (isolated)   IS510
4-20mA: analogue Interface (isolated)   IS420

AC Input Options   **P/N:**
Single Phase 230Vac   *3.3kW only*   1P230
Three Phase 208Vac   3P208
Three Phase 400Vac   3P400

Option   **P/N:**
Fast Speed   F

Product Summary 3U GEN 10-15kW

Output Voltage [Vdc]	Output Current [A]	Output Power [kW]	Interface					Dimensions	Model
			RS-232/ RS-485	Analogue	LAN	IEEE	Isolated analogue		
0~7.5	0~1000	7.5	•	•	○	○	○	19" x 3U x 644 mm	GEN7.5-1000
0~10	0~1000	10	•	•	○	○	○	19" x 3U x 644 mm	GEN10-1000
0~12.5	0~800	10	•	•	○	○	○	19" x 3U x 644 mm	GEN12.5-800
0~20	0~500	10	•	•	○	○	○	19" x 3U x 644 mm	GEN20-500
0~25	0~400	10	•	•	○	○	○	19" x 3U x 644 mm	GEN25-400
0~30	0~333	10	•	•	○	○	○	19" x 3U x 644 mm	GEN30-333
	0~500	15	•	•	○	○	○	19" x 3U x 644 mm	GEN30-500
0~40	0~250	10	•	•	○	○	○	19" x 3U x 644 mm	GEN40-250
	0~375	15	•	•	○	○	○	19" x 3U x 644 mm	GEN40-375
0~50	0~200	10	•	•	○	○	○	19" x 3U x 644 mm	GEN50-200
	0~300	15	•	•	○	○	○	19" x 3U x 644 mm	GEN50-300
0~60	0~167	10	•	•	○	○	○	19" x 3U x 644 mm	GEN60-167
	0~250	15	•	•	○	○	○	19" x 3U x 644 mm	GEN60-250
0~80	0~125	10	•	•	○	○	○	19" x 3U x 644 mm	GEN80-125
	0~187.5	15	•	•	○	○	○	19" x 3U x 644 mm	GEN80-187.5
0~100	0~100	10	•	•	○	○	○	19" x 3U x 644 mm	GEN100-100
	0~150	15	•	•	○	○	○	19" x 3U x 644 mm	GEN100-150
0~125	0~80	10	•	•	○	○	○	19" x 3U x 644 mm	GEN125-80
	0~120	15	•	•	○	○	○	19" x 3U x 644 mm	GEN125-120
0~150	0~66	9.9	•	•	○	○	○	19" x 3U x 644 mm	GEN150-66
	0~100	15	•	•	○	○	○	19" x 3U x 644 mm	GEN150-100

Output Voltage [Vdc]	Output Current [A]	Output Power [kW]	Interface					Dimensions	Model
			RS-232/ RS-485	Analogue	LAN	IEEE	Isolated analogue		
0~200	0~50	10	•	•	○	○	○	19" x 3U x 644 mm	GEN200-50
	0~75	15	•	•	○	○	○	19" x 3U x 644 mm	GEN200-75
0~250	0~40	10	•	•	○	○	○	19" x 3U x 644 mm	GEN250-40
	0~60	15	•	•	○	○	○	19" x 3U x 644 mm	GEN250-60
0~300	0~33	9.9	•	•	○	○	○	19" x 3U x 644 mm	GEN300-33
	0~50	15	•	•	○	○	○	19" x 3U x 644 mm	GEN300-50
0~400	0~25	10	•	•	○	○	○	19" x 3U x 639 mm	GEN400-25
	0~37.5	15	•	•	○	○	○	19" x 3U x 639 mm	GEN400-37.5
0~500	0~20	10	•	•	○	○	○	19" x 3U x 639 mm	GEN500-20
	0~30	15	•	•	○	○	○	19" x 3U x 639 mm	GEN500-30
0~600	0~17	10.2	•	•	○	○	○	19" x 3U x 639 mm	GEN600-17
	0~25	15	•	•	○	○	○	19" x 3U x 639 mm	GEN600-25
0~800	0~12.5	10	•	•	○	○	•	19" x 3U x 631 mm	GEN800-12.5
	0~18.8	15	•	•	○	○	•	19" x 3U x 631 mm	GEN800-18.8
0~1000	0~10	10	•	•	○	○	•	19" x 3U x 631 mm	GEN1000-10
	0~15	15	•	•	○	○	•	19" x 3U x 631 mm	GEN1000-15
0~1250	0~8	10	•	•	○	○	•	19" x 3U x 631 mm	GEN1250-8
	0~12	15	•	•	○	○	•	19" x 3U x 631 mm	GEN1250-12
0~1500	0~6.7	10	•	•	○	○	•	19" x 3U x 631 mm	GEN1500-6.7
	0~10	15	•	•	○	○	•	19" x 3U x 631 mm	GEN1500-10

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

Product-Code

GEN 10/15kW 3U (7.5-600V)

GEN	-	10	-	1000	-		-	
Series Name		Output Voltage (0~10V)		Output Current (0~1000A)		Interface Options		AC Input Options

GEN 10/15kW 3U (800-1500V)

GEN	-	1500	-	10	-		-	
Series Name		Output Voltage (0~1500V)		Output Current (0~10A)		Interface Options		AC Input Options

Interface Options (Factory installed)	P/N:
RS-232/RS-485 Interface, analogue Interface (non-isolated)	-

Interface Options (Optional)	P/N:
LAN Interface (Complies with **LXI** class C)	LAN
IEEE 488.2 (GPIB) Interface	IEEE
0-5V/10V: analogue Interface (isolated) *7.5-600V only*	IS510
4-20mA: analogue Interface (isolated)	IS420

AC Input Options	P/N:
Three Phase 208Vac *7.5-600V only*	3P208
Three Phase 400Vac	3P400
Three Phase 480Vac	3P480

I-SINK – electronic power sink

Flexible, intelligent, reliable

I-SINK – 2 Quadrant-Extension to **Genesys™** and **GENESYS™** Series

TDK-Lambda's electronic power sink offers a flexible solution for various applications. The modular load concept enables the required power handling to be firmware configured to match the customer's requirement.

- **Modular load concept**
  TDK-Lambda's electronic power sink can be fitted with up to 8 load modules. This allows a flexible choice of continuous power rating from 200W to 1.5kW, with a maximum peak power rating of up to 11.2kW for more than one or few seconds (depends on power).

- **Customised solution, rapid delivery**
  The I-SINK is optimised to meet specific customer needs. The modular design shortens development time and offers the advantage of utilisation of proven technology for a customised solution.

- **Designed for flexible applications and optimised for TDK-Lambda Genesys™ and GENESYS™ Series**

Application examples

- 2-Quadrant-Extension
- Battery test (charging and discharging options) and battery simulation
- High performance load (each with power limit)
  – Constant current
  – Constant voltage (Power-Zener)
  – Constant resistance

Vout

80V

60V

peak power limited 1400W

average power limited 200W

-60A

min. Ri <= 0.02Ohm

I-Sink (basic)

25A

Iout

Source GEN60-25
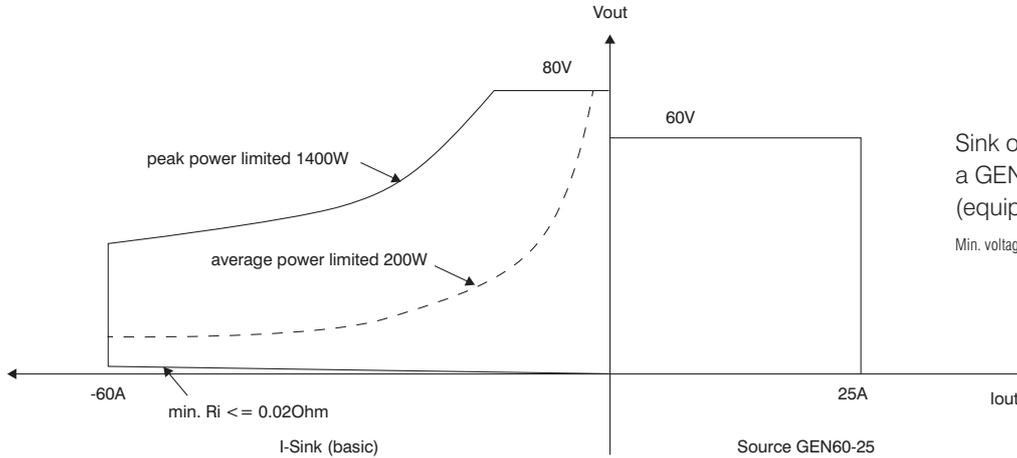
Sink operating mode diagram with a GEN60-25 power supply unit (equipped with one load module)

Min. voltage at max. current <0.15V

Model	Performance per power block
Basic function	2nd quadrant extension
Peak power / Continuous operation	1.4kW/200W
Max. voltage / max. current	80V/60A
Min. voltage at max. current	<0.15V
Control interface	analogue 0-5V/0-10V
Operating temperature	0-30°C (without derating)

Profile/height	Max. number of models	Continuous operation	Peak power	Interface
2U	4	200-800W	1.4-5.6kW	USB/LAN/RS-232/RS-485/RS-422/CAN**
4U	8	1-1.5kW	7-11.2kW	USB/LAN/RS-232/RS-485/RS-422/CAN**

** could be combined with an additional interface

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