



Programmable Power Supplies

EMEA Edition | 2024

TDK-Lambda

The Heart of your Application

At TDK-Lambda, a “Power Supply” is more than just an electronic device.

It is the “heart” of our customers’ systems and the core element of safety and reliability. Since 1948 as a leading global manufacturer we have been developing and producing innovative and highly reliable power supplies for a wide spectrum of applications. In addition, with our unique range of activities from research and development through to manufacturing, sales and service, our customers appreciate our experience, know-how and our passion for always wishing to find the best solution for our customers.

TDK-Lambda’s series of programmable power supplies offer a wide range of integrated functions and features. Delivering high power density, excellent usability and reliability it is the best solution for many different applications in test & measurement and industrial control. Typical areas of application are test and measurement, automation and process control, automotive test, general ATE, laser diodes, medical imaging and treatment, semiconductor processing and burn-in.

Powered by Precision

GENESYS™

www.emea.lambda.tdk.com/programmable



DC Programmable Power Supplies

Premium quality and performance



DC programmable standard ultra-compact models range in output power from 200W to 22.5kW whilst parallel connection enables solutions up to 90kW. Outputs up to 1500V are available and our products offer various remote interface options.

Genesys+™ Family Output Voltage and Current

Model	G (Std front panel display) / GB (Blank front panel display)						GSP / GBSP (Scalable power)			
Rated power	1kW	1.7kW	2.7kW	3.4kW	5kW	7.5kW	10kW / 2U	15kW / 3U	15kW / 2U	22.5kW / 3U
Voltage range [V]	Current range [A]									
0-10	0-100	0-170	0-265	0-340	0-500	-	0-1000	0-1500	-	-
0-20	0-50	0-85	0-135	0-170	0-250	0-375	0-500	0-750	0-750	0-1125
0-30	0-34	0-56	0-90	0-112	0-170	0-250	0-340	0-510	0-500	0-750
0-40	0-25	0-42	0-68	0-85	0-125	0-188	0-250	0-375	0-376	0-564
0-50	-	-	-	-	0-100	-	0-200	0-300	-	-
0-60	0-17	0-28	0-45	0-56	0-85	0-125	0-170	0-255	0-250	0-375
0-80	0-12.5	0-21	0-34	0-42	0-65	0-94	0-130	0-195	0-188	0-282
0-100	0-10	0-17	0-27	0-34	0-50	0-75	0-100	0-150	0-150	0-225
0-150	0-7	0-11.2	0-18	0-22.5	0-34	0-50	0-68	0-102	0-100	0-150
0-200	-	-	-	-	0-25	0-37.5	0-50	0-75	0-75	0-112.5
0-300	0-3.5	0-5.6	0-9	0-11.5	0-17	0-25	0-34	0-51	0-50	0-75
0-400	-	-	-	-	0-13	-	0-26	0-39	-	-
0-500	-	-	-	-	0-10	-	0-20	0-30	-	-
0-600	0-1.7	0-2.8	0-4.5	0-5.6	0-8.5	0-12.5	0-17	0-25.5	0-25	0-37.5
0-1000	-	-	-	-	0-5*	0-7.5	-	-	0-15	0-22.5
0-1500	-	-	-	-	0-3.4*	0-5	-	-	0-10	0-15

* 5kW – HV: Input 3P208 (Three phase 170-265Vac) and 3P480 (Three phase 342-528Vac)

The next Generation Genesys+™ Series

High performance, high functionality, highest power density



Product features

- Industry leading power density
- Constant voltage/constant current/constant power limit control
- Scalable power systems up to 90kW
- Voltage and current slew rate control
- Arbitrary waveform function and profile storage
- Internal resistance control
- LAN (**LXI** 1.5), USB, RS-232/RS-485 and isolated analogue interfaces as standard
- Optional interface for EtherCAT, Modbus-TCP, IEEE 488.2 SCPI, IS420 isolated analogue programming (4-20mA)
- Options: blank front panel, dust filter cover
- Extension: **I-SINK** function (electronic power sink)



 [Product website](#)

Specifications

- 1kW, 1.5kW models in 1U, half 19" rack mount
- 1,1.7, 2.7, 3.4, 5, 7.5kW models in 1U, 19" rack mount
- 10kW in 2U / 15kW in 3U
- 15kW in 2U / 22.5kW in 3U
- Output voltage up to 1500V, current up to 1500A
- 5 years warranty

Higher power systems can be configured with up to twelve (12) 7.5kW units. Each unit is 1U with zero space between them (zero stack).

Typical applications

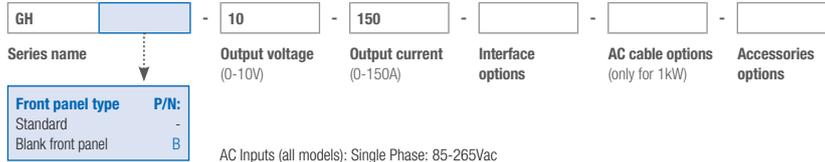
- Test and measurement
- Automation
- Component device testing
- Automotive
- Burn-in
- Medical imaging

Product Summary 1U GENESYS+™ GH (1 / 1.5kW)

Model	Output voltage [Vdc]	Output current [A]	Output power [W]
GH10-100	0-10	0-100	1000
GH10-150		0-150	1500
GH20-50	0-20	0-50	1000
GH20-75		0-75	1500
GH30-34	0-30	0-34	1020
GH30-50		0-50	1500
GH40-25	0-40	0-25	1000
GH40-38		0-38	1520
GH60-17	0-60	0-17	1020
GH60-25		0-25	1500
GH80-12.5	0-80	0-12.5	1000
GH80-19		0-19	1520
GH100-10	0-100	0-10	1000
GH100-15		0-15	1500
GH150-7	0-150	0-7	1050
GH150-10		0-10	1500
GH300-3.5	0-300	0-3.5	1050
GH300-5		0-5	1500
GH600-1.7	0-600	0-1.7	1020
GH600-2.6		0-2.6	1560

Product-Code

GENESYS+™ GH (1/1.5kW)



Interface options (factory installed)

RS-232/RS-485

USB 2.0

LAN interface (complies with **LV** class C)

0-5V/10V: analogue Interface (isolated)

Interface options (optional)

IEEE 488.2 (GPIB) interface

Modbus-TCP

EtherCat

P/N: AC cable options 1kW only

- Europe

- North America

- Japan

- China

P/N: Middle East

IEEE Accessories options

MDBS Printed user manual

ECAT (User manual & GUI on website)

Bus paralleling cable

P/N: Accessories

E Rack mounting applications

U The rack mounted kit allows the units to be zero stacking for maximum system flexibility and power density without increasing the 1U height of the units

J To install one GH1kW/1.5kW unit or two units side-by-side in a standard 19" rack in 1U (1.75") height, use option kit

C Single unit installation

I Single GH1kW/1.5kW power supply in a standard 19" rack in 1U (1.75") height

M Dual unit installation

P Two GH1kW/1.5kW power supplies side-by-side in a standard 19" rack in 1U (1.75") height

Benchtop applications multi output

The benchtop stacking kit allows the units to be Zero stacked for maximum system flexibility and power density without increasing the 1U height of the units.

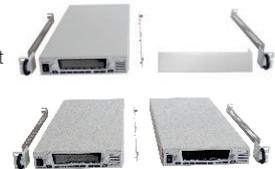
To install a GH1kW/1.5kW two units one on top of the other use option kit

P/N:

GH/RM

GH/MO

GH/MO-2U



Product Summary 1U GENESYS+™ G (1-7.5kW)

Model	Output voltage [Vdc]	Output current [A]	Output power [W]
G10-100	0-10	0-100	1000
G10-170		0-170	1700
G10-265		0-265	2700
G10-340		0-340	3400
G10-500		0-500	5000
G20-50	0-20	0-50	1000
G20-85		0-85	1700
G20-135		0-135	2700
G20-170		0-170	3400
G20-250		0-250	5000
G20-375		0-375	7500
G30-34	0-30	0-34	1020
G30-56		0-56	1680
G30-90		0-90	2700
G30-112		0-112	3360
G30-170		0-170	5100
G30-250		0-250	7500

Model	Output voltage [Vdc]	Output current [A]	Output power [W]
G40-25	0-40	0-25	1000
G40-42		0-42	1680
G40-68		0-68	2720
G40-85		0-85	3400
G40-125		0-125	5000
G40-188		0-188	7520
G50-100	0-50	0-100	5000
G60-17	0-60	0-17	1020
G60-28		0-28	1680
G60-45		0-45	2700
G60-56		0-56	3360
G60-85		0-85	5100
G60-125		0-125	7500
G80-12.5	0-80	0-12.5	1000
G80-21		0-21	1680
G80-34		0-34	2720
G80-42		0-42	3360
G80-65		0-65	5200
G80-94		0-94	7500

Product Summary 1U GENESYS+™ G (1-7.5kW)

Model	Output voltage [Vdc]	Output current [A]	Output power [W]
G100-10	0-100	0-10	1000
G100-17		0-17	1700
G100-27		0-27	2700
G100-34		0-34	3400
G100-50		0-50	5000
G100-75		0-75	7500
G150-7		0-150	0-7
G150-11.2	0-11.2		1680
G150-18	0-18		2700
G150-22.5	0-22.5		3375
G150-34	0-34		5100
G150-50	0-50		7500
G200-25	0-200		0-25
G200-37.5		0-37.5	7500
G300-3.5	0-300	0-3.5	1050
G300-5.6		0-5.6	1680
G300-9		0-9	2700
G300-11.5		0-11.5	3450
G300-17		0-17	5100
G300-25		0-25	7500
G400-13		0-400	0-13

Model	Output voltage [Vdc]	Output current [A]	Output power [W]
G500-10	0-500	0-10	5000
G600-1.7	0-600	0-1.7	1020
G600-2.8		0-2.8	1680
G600-4.5		0-4.5	2700
G600-5.6		0-5.6	3360
G600-8.5		0-8.5	5100
G600-12.5		0-12.5	7500
G1000-5*	0-1000	0-5	5000
G1000-7.5		0-7.5	7500
G1500-3.4*	0-1500	0-3.4	5000
G1500-5		0-5	7500

*with bussbar, cover

Product-Code

GENESYS+™ G (1/1.7kW)

G - **10** - **170** - - -

Series name **Output voltage** **Output current** **Interface options** **AC cable options** **Accessories options**
(0-10V) (0-170A) (only for 1kW)

Front panel type **P/N:**

Standard -

Blank front panel B

AC Inputs (all models): Single Phase: 85-265Vac



Product Summary 1U GENESYS+™ G (1-7.5kW)

Product-Code

GENESYS+™ G (2.7/3.4kW)

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						

GENESYS+™ G (7.5kW)

G		20	375			
Series name		Output voltage (0-20V)	Output current (0-375A)	Interface options	AC input options	Accessories options
Front panel type P/N: Standard - Blank front panel B						

Interface options (factory installed)

RS-232/RS-485
 USB 2.0
 LAN interface (complies with **LV** class C)

P/N:

-
 -
 -

Interface options (optional)

IEEE 488.2 (GPIB) interface
 Modbus-TCP
 EtherCat
 Isolated analogue current program/monitor interface
 (4mA-20mA with 1500V isolation)

P/N:

IEEE
 MDDBS
 ECAT
 IS420

AC input options

1-Phase 170-265Vac 2.7/3.4 kW only
 3-Phase 170-265Vac
 3-Phase 342-460Vac without 5kW high voltage
 3-Phase 342-528Vac

P/N:

1P208
 3P208
 3P400
 3P480

AC cable options 1kW only

Europe
 North America
 Japan
 China
 Middle East

P/N:

E
 U
 J
 C
 I

Accessories options

Printed user manual
 (User manual & GUI on website)
 Bus paralleling cable

P/N:

M
 P

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

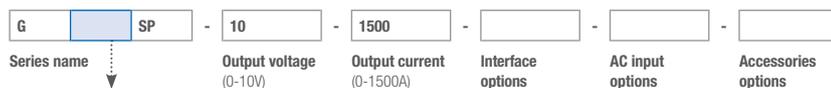
Model	Output voltage [Vdc]	Output current [A]	Output power [kW]
GSP10-1000	0-10	0-1000	10
GSP10-1500		0-1500	15
GSP20-500	0-20	0-500	10
GSP20-750		0-750	15
GSP30-340	0-30	0-340	10.2
GSP30-510		0-510	15.3
GSP40-250	0-40	0-250	10
GSP40-375		0-375	15
GSP50-200	0-50	0-200	10
GSP50-300		0-300	15
GSP60-170	0-60	0-170	10.2
GSP60-255		0-255	15.3
GSP80-130	0-80	0-130	10.4
GSP80-195		0-195	15.6
GSP100-100	0-100	0-100	10
GSP100-150		0-150	15
GSP150-68	0-150	0-68	10.2
GSP150-102		0-102	15.3
GSP200-50	0-200	0-50	10
GSP200-75		0-75	15
GSP300-34	0-300	0-34	10.2
GSP300-51		0-51	15.3

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

Model	Output voltage [Vdc]	Output current [A]	Output power [kW]
GSP400-26	0-400	0-26	10.4
GSP400-39		0-39	15.6
GSP500-20	0-500	0-20	10
GSP500-30		0-30	15
GSP600-17	0-600	0-17	10.2
GSP600-25.5		0-25.5	15.3

Product-Code

GENESYS+™ GSP (10/15kW)



Front panel type	P/N:
Standard	-
Blank front panel	B

Interface options (factory installed)

- RS-232/RS-485: analogue interface (isolated)
- USB 2.0
- LAN interface (complies with **LXI** class C)

Interface options (optional)

- P/N:**
- IEEE 488.2 (GPIB) interface
 - Modbus-TCP
 - EtherCat
 - Isolated analogue current program/monitor interface (4mA-20mA with 1500V isolation)

- P/N:**
- IEEE
 - MDBS
 - ECAT
 - IS420



AC input options

- 3-Phase 170-265Vac
- 3-Phase 342-460Vac
- 3-Phase 342-528Vac

- P/N:**
- 3P208
 - 3P400
 - 3P480

Accessories options

- Printed user manual
- (User manual & GUI on website)

- P/N:**
- M

Product Summary GENESYS+™ GSPL (2U 15kW / 3U 22.5kW)

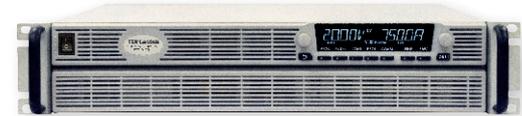
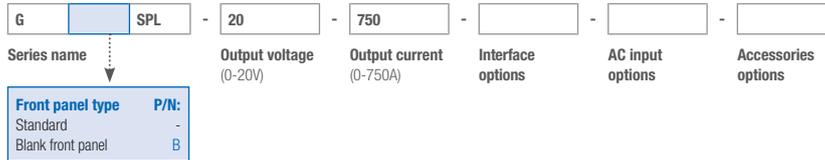
Model	Output voltage [Vdc]	Output current [A]	Output power [kW]
GSPL20-750	0-20	0-750	15
GSPL20-1125		0-1125	22.5
GSPL30-500	0-30	0-500	15
GSPL30-750		0-750	22.5
GSPL40-376	0-40	0-376	15
GSPL40-564		0-564	22.5
GSPL60-250	0-60	0-250	15
GSPL60-375		0-375	22.5
GSPL80-188	0-80	0-188	15
GSPL80-282		0-282	22.5
GSPL100-150	0-100	0-150	15
GSPL100-225		0-225	22.5
GSPL150-100	0-150	0-100	15
GSPL150-150		0-150	22.5
GSPL200-75	0-200	0-75	15
GSPL200-112.5		0-112.5	22.5
GSPL300-50	0-300	0-50	15
GSPL300-75		0-75	22.5
GSPL600-25	0-600	0-25	15
GSPL600-37.5		0-37.5	22.5

Product Summary GENESYS+™ GSPL (2U 15kW / 3U 22.5kW)

Model	Output voltage [Vdc]	Output current [A]	Output power [kW]
GSPL1000-15	0-1000	0-15	15
GSPL1000-22.5		0-22.5	22.5
GSPL1500-10	0-1500	0-10	15
GSPL1500-15		0-15	22.5

Product-Code

GENESYS+™ GSPL (15kW-22.5kW)



Interface options (factory installed)

RS-232/RS-485: analogue interface (isolated)
 USB 2.0
 LAN interface (complies with **LV** 1.5)

P/N: Interface options (optional)

- IEEE 488.2 (GPIB) interface
- Modbus-TCP
- EtherCat

Isolated analogue current program/monitor interface
 (4mA-20mA with 1500V isolation)

P/N: AC input options

IEEE 3-Phase 170-265Vac
 MBDS 3-Phase 342-528Vac
 ECAT

IS420

Accessories options

Printed user manual
 (User manual & GUI on website)

P/N:

3P208
 3P480

P/N:

M

GENESYS+™ GSPS High Power Systems

Configurable solutions up to 90kW
in 20U, 19 inch rack cabinet



Product features

- Industry leading power density
- Constant voltage/constant current/constant power limit control
- Voltage and current slew rate control
- Arbitrary waveform function and profile storage
- Internal resistance control
- LAN (**LXI** 1.5), USB, RS-232/RS-485 and isolated analogue interfaces as standard
- Optional Interface for EtherCAT, Modbus-TCP, IEEE 488.2 SCPI
- Options: blank front panel



Product website

Specifications

- Configurable, air cooled solutions
- 30kW, 45kW, 60kW and 90kW in 20U rack mount
- Output voltage up to 1500V, current up to 4500A
- Parallel Systems with auto-configure
- 5 years warranty

Typical applications

- Test and measurement
- Automotive component & HIL testing
- Component device testing
- Industrial automation and process control
- Semiconductor processing & burn-in
- Aerospace & satellite testing
- Medical imaging
- Magnets, RF magnifiers and beam steering
- Green technology

Product Summary GENESYS+™ GSPS (30 / 45 / 60 / 90kW)

Model	Output Voltage [Vdc]	Output current [A]	Output power [kW]
GSPS10-3000	0-10	0-3000	30
GSPS10-4500		0-4500	45
GSPS20-1500	0-20	0-1500	30
GSPS20-2250		0-2250	45
GSPS20-3000		0-3000	60
GSPS20-4500		0-4500	90
GSPS30-1020	0-30	0-1020	30.6
GSPS30-1530		0-1530	45.9
GSPS30-2040		0-2040	61.2
GSPS30-3000		0-3000	90
GSPS40-750	0-40	0-750	30
GSPS40-1125		0-1125	45
GSPS40-1500		0-1500	60
GSPS40-2256		0-2256	90.24
GSPS50-600	0-50	0-600	30
GSPS50-900		0-900	45
GSPS50-1200		0-1200	60
GSPS60-510	0-60	0-510	30.6
GSPS60-765		0-765	45.9
GSPS60-1020		0-1020	61.2
GSPS60-1500		0-1500	90

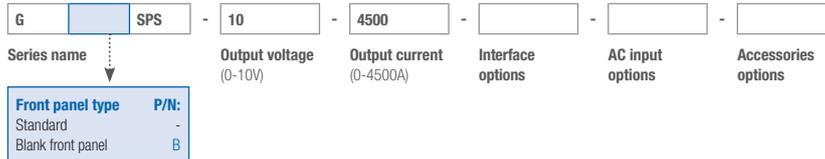
Product Summary GENESYS+™ GSPS (30/45/60/90kW)

Model	Output Voltage [Vdc]	Output current [A]	Output power [kW]
GSPS80-390	0-80	0-390	31.2
GSPS80-585		0-585	46.8
GSPS80-780		0-780	62.4
GSPS80-1128		0-1128	90.24
GSPS100-300	0-100	0-300	30
GSPS100-450		0-450	45
GSPS100-600		0-600	60
GSPS100-900		0-900	90
GSPS150-204	0-150	0-204	30.6
GSPS150-306		0-306	45.9
GSPS150-408		0-408	61.2
GSPS150-600		0-600	90
GSPS200-150	0-200	0-150	30
GSPS200-225		0-225	45
GSPS200-300		0-300	60
GSPS200-400		0-400	90
GSPS300-102	0-300	0-102	30.6
GSPS300-153		0-153	45.9
GSPS300-204		0-204	61.2
GSPS300-300		0-300	90

Model	Output Voltage [Vdc]	Output current [A]	Output power [kW]
GSPS400-78	0-400	0-78	31.2
GSPS400-117		0-117	46.8
GSPS400-156		0-156	62.4
GSPS500-60	0-500	0-60	30
GSPS500-90		0-90	45
GSPS500-120		0-120	60
GSPS600-51	0-600	0-51	30.6
GSPS600-76.5		0-76.5	45.9
GSPS600-102		0-102	61.2
GSPS600-150		0-150	90
GSPS1000-45	0-1000	0-45	45
GSPS1000-67.5		0-67.5	67.5
GSPS1000-90		0-90	90
GSPS1500-30	0-1500	0-30	45
GSPS1500-45		0-45	67.5
GSPS1500-60		0-60	90

Product-Code

GENESYS+™ GSPS (30 / 45 / 60 / 90kW)



Interface options (factory installed)

RS-232/RS-485: analogue interface (isolated)
 USB 2.0
 LAN interface (complies with **LV** class C)
 0-5V/10V: analogue Interface

Interface options (optional)

IEEE 488.2 (GPIB) interface
 Modbus-TCP
 EtherCat

P/N: AC input options

- 3-Phase 170-265Vac*
 - 3-Phase 342-528Vac

Accessories options

Printed user manual

P/N: (User manual & GUI on website)

IEEE
 MDBS
 ECAT

* only up to 60kW/600V output voltage systems

P/N:

3P208
 3P480

P/N:

M



A lot to offer in 2U: Z+ Series

High density, highly flexible, many applications



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
- User programmable signal pins
- 5 years warranty

Typical applications

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



Product website

Product Summary Z+ 200-800W

Model	Output Voltage [Vdc]	Output Current [A]	Output Power [W]
Z10-20	0-10	0-20	200
Z10-40		0-40	400
Z10-60		0-60	600
Z10-72		0-72	720
Z20-10	0-20	0-10	200
Z20-20		0-20	400
Z20-30		0-30	600
Z20-40		0-40	800
Z36-6	0-36	0-6	216
Z36-12		0-12	432
Z36-18		0-18	648
Z36-24		0-24	864
Z60-3.5	0-60	0-3.5	210
Z60-7		0-7	420
Z60-10		0-10	600
Z60-14		0-14	840
Z100-2	0-100	0-2	200
Z100-4		0-4	400
Z100-6		0-6	600
Z100-8		0-8	800

Model	Output Voltage [Vdc]	Output Current [A]	Output Power [W]
Z160-1.3	0-160	0-1.3	208
Z160-2.6		0-2.6	416
Z160-4		0-4	640
Z160-5		0-5	800
Z320-0.65	0-320	0-0.65	208
Z320-1.3		0-1.3	416
Z320-2		0-2	640
Z320-2.5		0-2.5	800
Z375-2.2	0-375	0-2.2	825
Z650-0.32	0-650	0-0.32	208
Z650-0.64		0-0.64	416
Z650-1		0-1	650
Z650-1.25		0-1.25	812

Product-Code Z+ 200-800W

- - - - -

Series Name **Output voltage** (0-36V) **Output current** (0-12A) **Interface options** **Front panel output jacks** **AC cable**

Interface options (factory installed)

USB, RS-232/RS-485 interface, analogue interface (non-isolated)

Interface options (optional)

LAN interface (complies with **LXI** class C)

IEEE 488.2 (GPIB) interface

0-5V/10V: analogue interface (isolated)

4-20mA: analogue interface (isolated)

Front panel output jack (optional)

60V or 24A max.

CAT III type: 650V or 24A max.

P/N: AC cable (optional) P/N:

LAN Europe E

IEEE United Kingdom GB

IS510 North America U

IS420 Middle East I

P/N:

L

L2

The Powerful Genesys™ Series

Exceptional reliability and performance – up to 600V



Product features

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



Product website

Specifications

- 750 in ½ 19" or 19", 1500, 2400W models in 1U
- 3.3, 5kW models in 2U
- Active power factor correction (single-phase & three-phase AC input)
- Output voltage up to 600V, output current up to 600A
- 5 years warranty

Typical applications

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

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

Model	Output voltage [Vdc]	Output current [A]	Output power [W]
GENH6-100	0-6	0-100	600
GEN6-100		0-100	600
GEN6-200		0-200	1200
GENH8-90	0-8	0-90	720
GEN8-90		0-90	720
GEN8-180		0-180	1440
GEN8-300		0-300	2400
GEN10-240	0-10	0-240	2400
GENH12.5-60	0-12.5	0-60	750
GEN12.5-60		0-60	750
GEN12.5-120		0-120	1500
GEN16-150	0-16	0-150	2400
GENH20-38	0-20	0-38	760
GEN20-38		0-38	760
GEN20-76		0-76	1520
GEN20-120		0-120	2400
GENH30-25	0-30	0-25	750
GEN30-25		0-25	750
GEN30-50		0-50	1500
GEN30-80		0-80	2400

Model	Output voltage [Vdc]	Output current [A]	Output power [W]
GENH40-19	0-40	0-19	760
GEN40-19		0-19	760
GEN40-38		0-38	1520
GEN40-60		0-60	2400
GEN50-30	0-50	0-30	1500
GENH60-12.5	0-60	0-12.5	750
GEN60-12.5		0-12.5	750
GEN60-25		0-25	1500
GEN60-40		0-40	2400
GENH80-9.5	0-80	0-9.5	760
GEN80-9.5		0-9.5	760
GEN80-19		0-19	1520
GEN80-30		0-30	2400



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

Model	Output voltage [Vdc]	Output current [A]	Output power [W]
GENH100-7.5	0-100	0-7.5	750
GEN100-7.5		0-7.5	750
GEN100-15		0-15	1500
GEN100-24		0-24	2400
GENH150-5	0-150	0-5	750
GEN150-5		0-5	750
GEN150-10		0-10	1500
GEN150-16		0-16	2400
GENH300-2.5	0-300	0-2.5	750
GEN300-2.5		0-2.5	750
GEN300-5		0-5	1500
GEN300-8		0-8	2400
GENH600-1.3	0-600	0-1.3	780
GEN600-1.3		0-1.3	780
GEN600-2.6		0-2.6	1560
GEN600-4		0-4	2400

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)

RS-232/RS-485 interface, analogue interface (non-isolated)

P/N:

-

Interface options (optional)

LAN interface (complies with **LXI** class C)

P/N:

LAN

IEEE 488.2 (GPIB) interface

IEEE

0-5V/10V: analogue interface (isolated)

IS510

4-20mA: analogue interface (isolated)

IS420

Power sink

750/1500W, 12.5-60V models

P/N:

PSINK

AC cable (optional) 750W only

Europe

P/N:

E

United Kingdom

GB

North America

U

Middle East

I

AC input options

1-Phase 230Vac

P/N:

1P230

3-Phase 208Vac

3P208



Product Summary 2U GEN 3.3-5.5kW

Model	Output voltage [Vdc]	Output current [A]	Output power [W]
GEN8-400	0-8	0-400	3200
GEN8-600		0-600	4800
GEN10-330	0-10	0-330	3300
GEN10-500		0-500	5000
GEN15-220	0-15	0-220	3300
GEN16-310	0-16	0-310	4960
GEN20-165	0-20	0-165	3300
GEN20-250		0-250	5000
GEN30-110	0-30	0-110	3300
GEN30-170		0-170	5100
GEN40-85	0-40	0-85	3400
GEN40-125		0-125	5000
GEN60-55	0-60	0-55	3300
GEN60-85		0-85	5100
GEN80-42	0-80	0-42	3360
GEN80-65		0-65	5200
GEN100-33	0-100	0-33	3300
GEN100-50		0-50	5000
GEN150-22	0-150	0-22	3300
GEN150-34		0-34	5100
GEN200-16.5	0-200	0-16.5	3300
GEN200-25		0-25	5000

Model	Output voltage [Vdc]	Output current [A]	Output power [W]
GEN300-11	0-300	0-11	3300
GEN300-17		0-17	5100
GEN400-13	0-400	0-13	5200
GEN500-10	0-500	0-10	5000
GEN600-5.5	0-600	0-5.5	3300
GEN600-8.5		0-8.5	5100

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	-		-		-	F
Series Name		Output voltage (0-10V)		Output current (0-500A)		Interface options		AC input options		Fast speed option



Product-Code

Interface options (factory installed)

RS-232/RS-485 interface, analogue interface (non-isolated)

Interface options (optional)

LAN interface (complies with **LXI** class C)

IEEE 488.2 (GPIB) interface

0-5V/10V: analogue interface (isolated)

4-20mA: analogue interface (isolated)

AC input options

1-Phase 230Vac 3.3kW only

3-Phase 208Vac

3-Phase 400Vac

Option

Fast speed

P/N:

-

P/N:

LAN

IEEE

IS510

IS420

P/N:

1P230

3P208

3P400

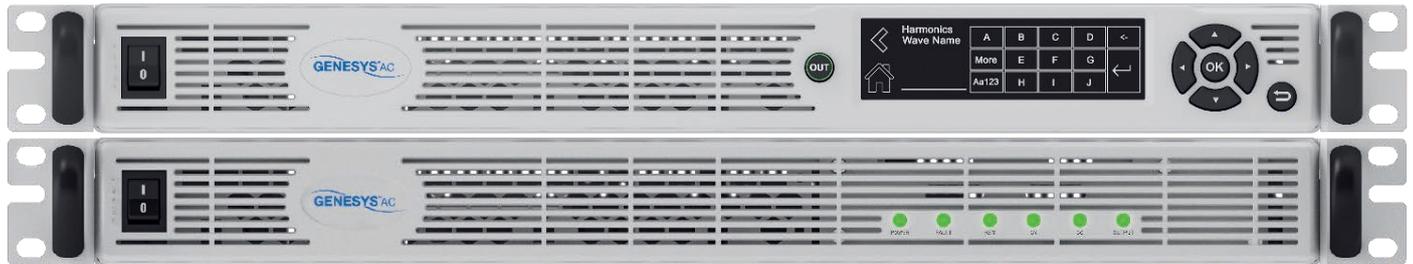
P/N:

F

AC Power Sources

High density, fully programmable and easy to use

These programmable 2-3kVA AC power sources have a very high power density, output voltages from 0-350Vac and ± 500 Vdc (GAC PRO), and frequencies from 16Hz up to 5kHz.



Product features

- Intuitive GUI
- GUI commonality for AC / DC
- Wide library of test profiles
- LAN, USB, RS232, RS485 as standard
- Optional IEEE488 / GPIB
- Crest Factor – 4:1 peak current



Product website

Specifications

- Output power – 2kVA or 3kVA in 1U
- Output voltage – 0-350Vac, ± 500 Vdc
- Output current – 0-20A or 0-30A
- Output frequency – DC & 16Hz-5kHz
- 5 year warranty

Typical applications

- AC / Grid operated products
- ATE / Laboratory (R&D) equipment
- Automotive, e-mobility & on-board charger
- Test & measurement
- Shipboard & defense

Product Summary GAC, GAC-PRO 2kVA, 3kVA

	GENESYS™ AC models		GENESYS™ AC-PRO models	
Model	GAC-02	GAC-03	GAC-PRO 02	GAC-PRO 03
Rated power AC	2000 VA	3000 VA	2000 VA	3000 VA
Operating modes	AC	AC	AC-DC, AC+DC	AC-DC, AC+DC
AC voltage range	0-350Vac	0-350Vac	0-350Vac	0-350Vac
AC current range	0-20A	0-30A	0-20A	0-30A
Output frequency	16-1200Hz	16-1200Hz	16-1200Hz (16-5000Hz option)	16-1200Hz (16-5000Hz option)
Peak AC current (Crest factor)	120A (6:1 CF)	120A (4:1 CF)	120A (6:1 CF)	120A (4:1 CF)
DC power	N/A	N/A	2000W	3000W
DC voltage range	N/A	N/A	from -500Vdc to +500Vdc	from -500Vdc to +500Vdc
DC current range	N/A	N/A	0-20A	0-30A
Phases*	Output phase per unit*			
Load PF	0-1 leading or lagging			
AC input range	Single phase: 85-265Vac (Derate to 1.5kVA below 170Vac), Three phase: 170-265 Vac or 342-528 Vac			

* Multiple identical units are user configurable to parallel to higher power or split and three phase configurations.

Select your individual AC Power source in a few clicks



AC Quick Product Finder

Product-Code

GAC GAC-PRO	-	03	A	A	1	A	-	00	A	00	A
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Series name Output apparent power Front panel type Input power Communication interface Frequency limit Avionic standards IEC & Various standards Additional options Accessories

Output apparent power	P/N:	Interface options	P/N:	IEC & various standards	P/N:
2kVA	02	Standard (Built-in, RS232, RS485, USB, LAN (LXI 1.5)	1	None	A
3kVA	03	Standard + IEEE/GPIB	2	GAC-PRO only:	
6kVA ^{*1}	06	Frequency limit	P/N:	IEC61000-4-11	B
9kVA ^{*1}	09	AC mode, 1200Hz	A	IEC61000-4-13	C
Front panel type	P/N:	AC + DC mode, 1200Hz	B	MIL-STD-1399-300 PART 1	D
Full panel grey color	A	AC + DC mode, 5000Hz	C	IEC61000-4-11 & IEC61000-4-13	E
Full panel black color	B	Avionic standards	P/N:	IEC61000-4-11 & MIL-STD-1399-300 PART 1	F
Blank panel grey color	C	None	00	IEC61000-4-13 & MIL-STD-1399-300 PART 1	G
Blank panel black color	D	GAC-PRO only:	01	IEC61000-4-11 & IEC61000-4-13 &	
Input power	P/N:	RTCA/DO 160	02	MIL-STD-1399-300 PART 1	H
85-265Vac 1-Phase ^{*2}	A	MIL-STD 704	03	GAC only:	
170-265Vac 3-Phase	B	A350 (Airbus ABDCommunication interface)	04	Wave generator & harmonic analysis	I
342-528Vac 3-Phase	C	RTCA/DO 160 & MIL-STD 704	05	IEC61000-4-11 & wave generator & harmonic analysis	J
		RTCA/DO 160 & A350 (Airbus ABD100.1.8.1)	06	IEC61000-4-13 & wave generator & harmonic analysis	K
		MIL-STD 704 & A350 (Airbus ABD100.1.8.1)		IEC61000-4-11 & IEC61000-4-13 &	
		RTCA/DO 160 & MIL-STD 704 & A350		wave generator & harmonic analysis	L
		(Airbus ABD100.1.8.1)	07	Additional options	P/N:
				None	00
				Accessories	P/N:
				None	A

^{*1} Coming soon ^{*2} Available on 2kVA, 3kVA models only

Programmable Power Supply Range

Powered by Precision



TDK-Lambda's series of programmable power supplies offer a wide range of integrated functions and features. Delivering high power density, excellent usability and reliability it is the best solution for many different applications in test & measurement and industrial control.

Streamline your test operations & product development process.

Benefits

- Go-to partner for DC Programmable and AC power sources
- Exceptional high quality and reliability
- Ultimate programming flexibility
- High Functionality
- Excellent usability
- Same touch and feel when using AC, DC or both
- Extensive, global, all-round support on your hand
- Superior customer service



Product website



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