

NEW

NEW ! - Highest Power Density (1.5kW) in 1U Half-Rack - NEW !
NEW ! - Lightweight 2.7kW and 3.4kW in 1U Height - NEW !

TDK-Lambda **GENESYS™ Series**

Programmable DC Power Supplies

Half-Rack 1.5kW in 1U Height

Full-Rack 1.7kW, 2.7kW, 3.4kW and 5.0kW in 1U Height

Full-Rack 10kW in 2U Height and 15kW in 3U Height

! Advanced Features Built-In !

- **Arbitrary Waveform Generator with Auto-Trigger Capability**
 - **Programmable Slew Rate Control (Vout/Iout)**
- **Constant Power Limit Operation**
- **Internal Resistance Programming**
- **Built-In LAN (LXI 1.5), USB, and RS-232/RS-485 Interfaces**
 - **Built-In Remote Isolated Analog Interface**
 - **Blank Front Panel Option Available**



TDK-Lambda
Innovating Reliable Power
www.us.tdk-lambda.com/hp

Model Series	GH GHB	G (Standard Front Panel Display) GB (Blank Front Panel Display)				GSP (Standard Front Panel Display) GBSP (Blank Front Panel Display)	
Rated Power	1.5kW	1.7kW	2.7kW	3.4kW	5.0kW	10kW	15kW
Voltage Range	Current Range						
0~10V	0~150A	0~170A	0~265A	0~340A	0~500A	0~1000A	0~1500A
0~20V	0~75A	0~85A	0~135A	0~170A	0~250A	0~500A	0~750A
0~30V	0~50A	0~56A	0~90A	0~112A	0~170A	0~340A	0~510A
0~40V	0~38A	0~42A	0~68A	0~85A	0~125A	0~250A	0~375A
0~60V	0~25A	0~28A	0~45A	0~56A	0~85A	0~170A	0~255A
0~80V	0~19A	0~21A	0~34A	0~42A	0~65A	0~130A	0~195A
0~100V	0~15A	0~17A	0~27A	0~34A	0~50A	0~100A	0~150A
0~150V	0~10A	0~11.2A	0~18A	0~22.5A	0~34A	0~68A	0~102A
0~300V	0~5A	0~5.6A	0~9A	0~11.5A	0~17A	0~34A	0~51A
0~600V	0~2.6A	0~2.8A	0~4.5A	0~5.6A	0~8.5A	0~17A	0~25.5A
Weight (lb/kg)	8.8 / 4.0	11.0 / 5.0	13.75 / 6.25	13.75 / 6.25	16.5 / 7.5	35.2 / 16.0	53.9 / 24.5

AC Inputs

115VAC/230VAC, 1Ø	• (1), (2)	• (1), (2)	---	---	---	---	---
230VAC, 1Ø	---	---	• (1), (3)	• (1), (3)	---	---	---
208VAC, 3Ø	---	---	• (1), (4)	• (1), (4)	• (1), (4)	• (1), (4)	• (1), (4)
400VAC/480VAC, 3Ø	---	---	• (1), (5)	• (1), (5)	• (1), (5)	• (1), (5)	• (1), (5)

- (1) EN/UL/cUL Listed; CE Mark (LV, EMC and RoHS2 Directives)
- (2) Wide-range, 85VAC ~ 265VAC (47 ~ 63Hz), 1Ø
- (3) 170VAC ~ 265VAC (47 ~ 63Hz), 1Ø

- (4) 170VAC ~ 265VAC (47 ~ 63Hz), 3Ø
- (5) Wide-range, 342VAC ~ 528VAC (47 ~ 63Hz), 3Ø

Interfaces (Optional - All models)

IEEE	OPTION	IEEE Interface (488.2 & SCPI compliant with RS-485 Multi-Drop capability)
Modbus-TCP	OPTION (Coming Soon)	Modbus-TCP Interface (Dual RJ45 port with RS-485 Multi-Drop capability)
EtherCAT	OPTION (Coming Soon)	EtherCAT Interface (Dual RJ45 port with RS-485 Multi-Drop capability)

All "Options" are factory installed and limited to one per Power Supply

Interfaces (Standard - All models)

LAN	Standard	LAN Interface (LXI 1.5 compliant with Multi-Drop capability)
USB	Standard	USB Interface (USB 2.0 compliant with Multi-Drop capability)
RS-232/RS-485	Standard	RS-232/RS-485 Interface (with Multi-Drop capability)
Isolated Analog	Standard	Isolated Analog Program/Monitor Interface (user-selectable 5V/10V PGM/MON with 600V isolation)

Front Panel Air Filter Kit (Accessory)

GH-AFK	1U Half-Rack (Standard Front Panel)	GHB-AFK	1U Half-Rack (Blank Front Panel)
G-AFK	1U Full-Rack (Standard Front Panel)	GB-AFK	1U Full-Rack (Blank Front Panel)
GSP10kW-AFK	2U Full-Rack (Standard Front Panel)	GBSP10kW-AFK	2U Full-Rack (Blank Front Panel)
GSP15kW-AFK	3U Full-Rack (Standard Front Panel)	GBSP15kW-AFK	3U Full-Rack (Blank Front Panel)

Parallel Kit: 10kW, 15kW, 20kW, 30kW Operation using 5kW Models (Accessory)

10kW	10V model (10kW)	20V-40V models (10kW)	60V-100V models (10kW)	150V-600V models (10kW)
	G/P-2U-10V	G/P-2U-20-40V	G/P-2U-60-100V	G/P-2U-150-600V
15kW	10V model (15kW)	20V-40V models (15kW)	60V-100V models (15kW)	150V-600V models (15kW)
	G/P-3U-10V	G/P-3U-20-40V	G/P-3U-60-100V	G/P-3U-150-600V
20kW	---	10V-40V models (20kW)	60V-100V models (20kW)	150V-600V models (20kW)
	---	G/P-4U-10-40V	G/P-4U-60-100V	G/P-4U-150-600V
30kW	---	---	60V-100V models (30kW)	---
	---	---	G/P-6U-60-100V	---



TDK-Lambda Americas, Inc., 405 Essex Road, Neptune, NJ 07753 USA
 Tel: +1.732.795.4100 Fax: +1.732.922.1441
www.us.tdk-lambda.com/hp