



Advanced Test Equipment Corp.

Rentals • Sales • Calibration • Service

Attracting Tomorrow



GENESYS™ AC

Advanced AC power sources

Trusted. Innovative. Reliable.

High Performance Programmable AC Power



Medical



Industrial



Test



COTS



COMM

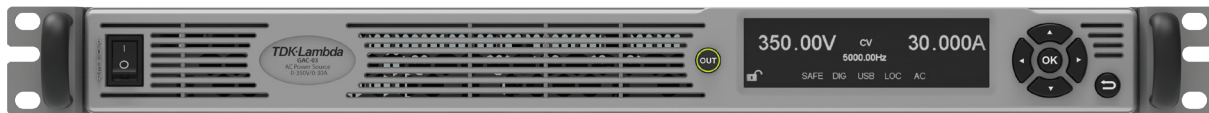


Marine

The Genesys™ AC series are a new family of programmable AC Power Sources that offer performance and versatility combined with feature rich multi-function local controls, standard USB/LAN interfaces, and input voltages for single-phase 100-240 and three-phase 190-240 or 380-480, Active PFC.

Features

- Highest power density in full featured 1U form-factor
- Intuitive full color touch panel interface
- Single full-range output 0-350VAC and rated current
- Very fast start up time (≤ 7 Sec)
- Front to rear airflow, no side venting needed
- Safety Compliant as Standalone 1U or Rack Mount
- Parallelable to 27kW single and multi-phase
- 5 Year standard warranty
- Software and hardware interfaces included
- Waveform and sequence memory on board
- Very high crest factor over entire V range 0-350V
- Built-in and user settable protection functions
- IEC, MIL and Aero standards with report generation
- Realtime Analog control available (PHIL Compatible)
- ATE compatible features and options
- Optional AC, AC + DC, DC output modes



OUTPUT RATING	Genesys™ AC Models		Genesys™ AC-PRO Models	
	GAC-02	GAC-03	GAC-PRO 02	GAC-PRO 03
1. AC Power	2000VA	3000VA	2000VA	3000VA
2. Operating Modes	AC		AC, DC, AC+DC	
3. Phases*	Single Phase per unit*			
4. AC Voltage Range	0-350 VAC (Single Range)			
5. AC Current	0-20A	0-30A	0-20A	0-30A
6. Output Frequency	0~1200 Hz (0-5000Hz option)			
7. Peak AC Current (Crest Factor)	120 A (6:1 CF)	120 A (4:1 CF)	120 A (6:1 CF)	120 A (4:1 CF)
8. Load PF	0 - 1 Leading or Lagging			
9. DC Power	N/A		2000W	3000W
10. DC Voltage Range	N/A		-500 ~ +500 VDC	
11. DC Current Range	N/A		0-20A DC	0-30A DC

MEASUREMENT AND ANALYSIS

1. AC / DC Voltage	$\leq 0.2\%$ FS
2. RMS / DC Current	$\leq 1.0\%$ FS
3. Power (Real & Apparent)	$\leq 0.2\%$ FS

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



INPUT CHARACTERISTICS

1. Available Configurations	Single phase: 85-265VAC (Derate to 1.5kVA below 170VAC), Three Phase: 170-265 VAC or 342-528 VAC
2. Efficiency	$> 85\%$
3. Power Factor	Single-phase input 0.98 / Three-phase input 0.94

PROGRAMMING AND READBACK

1. Standard	LAN / USB / RS232 / RS485 Analog Monitoring	LAN / USB / RS232 / RS485 Analog Monitoring and Control
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MECHANICAL

1. Form Factor	EIC 1U, Aluminum Chassis
2. Dimensions	H: 43.6mm x W: 423mm x D: 544.5mm / H 1.72" x W: 16.65" x D: 29.44"

AVAILABLE PRE-PROGRAMMED TEST STANDARDS

1. IEC	IEC 61000- 4-11 & 13	IEC 61000- 4-11 & 13
2. MIL-SPC	N/A	MIL-STD-1399-300 P1, MIL-STD-704
3. Aero	N/A	RCTA/DO-160, A350