

Attracting Tomorrow

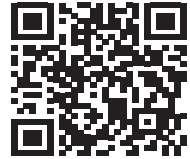


GENESYS™ AC

Advanced AC power sources

Trusted. Innovative. Reliable.

High Performance Programmable AC Power



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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, class leading wide range output and global input voltage options with 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
- Standalone 1U units are safety compliant
- 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 across entire voltage range
- 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
- AC only and AC + DC output models



OUTPUT RATING	Genesys™ AC Models		Genesys™ AC-PRO Models	
	GAC-02	GAC-03	GAC-PRO 02	GAC-PRO 03
AC Power	2000VA	3000VA	2000VA	3000VA
Operating Modes	AC		AC, DC, AC+DC	
Phases*	Single Phase per unit*			
AC Voltage Range	0-350 VAC (Single Range)			
AC Current	0-20A	0-30A	0-20A	0-30A
Output Frequency	0~1200 Hz (0-5000Hz option)			
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)
Load PF	0 - 1 Leading or Lagging			
DC Power	N/A		2000W	3000W
DC Voltage Range	N/A		-500 ~ +500 VDC	
DC Current Range	N/A		0-20A DC	0-30A DC

* Multiple units may be combined by the user for higher power or split and three phase configurations.

MEASUREMENT AND ANALYSIS

AC / DC Voltage	≤ 0.2 % FS
RMS / DC Current	≤ 1.0 % FS
Power (Real & Apparent)	≤ 0.2 % FS



INPUT CHARACTERISTICS

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

PROGRAMMING AND READBACK

Standard	LAN / USB / RS232 / RS485	LAN / USB / RS232 / RS485
Optional	Analog Monitoring IEEE / GPIB	Analog Monitoring and Control IEEE / GPIB

MECHANICAL

Form Factor	EIC 1U, Aluminum Chassis
Dimensions	H: 43.6mm x W: 423mm x D: 544.5mm / H 1.72" x W: 16.65" x D: 24.5"

AVAILABLE PRE-PROGRAMMED TEST STANDARDS

IEC	IEC 61000- 4-11 & 13	IEC 61000- 4-11 & 13
MIL-SPC	N/A	MIL-STD-1399-300 P1, MIL-STD-704
Avionics	N/A	RCTA/DO-160, A350