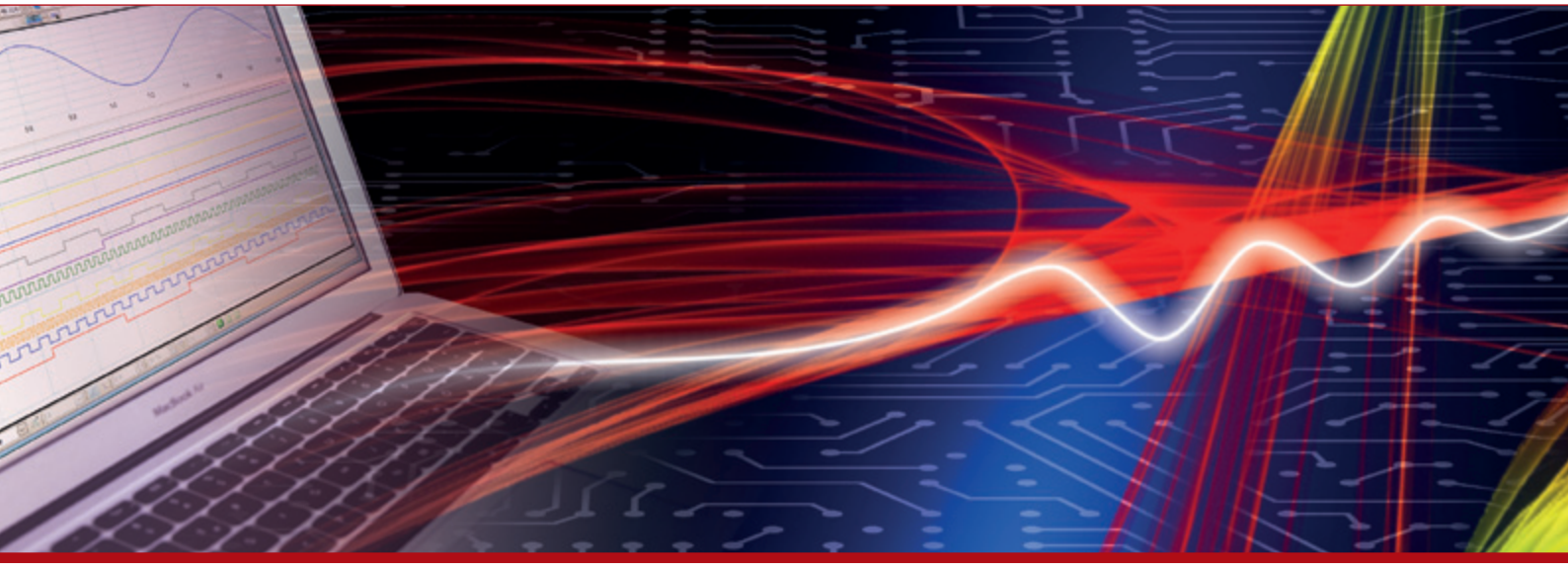
Product Datasheet - Technical Specifications



More information in our Web-Shop at ▸ **www.meilhaus.com**

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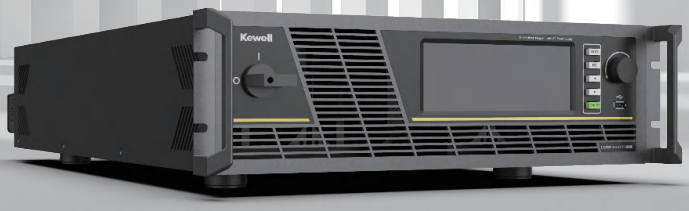
Bidirectional Programmable AC Source-load System

G6000 Series



Kewell G6000 series is a four-quadrant AC source-load system featuring high precision, high power density, and high dynamic response. As source, it supports three-phase independent adjustment, LIST/PULSE/STEP modes, and simulation of grid disturbances and exceptions to test the grid tolerance of the DUT. As source, it has multiple built-in AC load models to simulate linear loads. The G6000 series supports AC/DC/AC+DC output, waveform editing, harmonic/inter-harmonic injection, as well as standard HVRT/LVRT curves of China, Europe, the U.S., etc., meeting varied test requirements.

18kVA in 3U

Ultra-high power density

Multiple Modes

LIST/STEP/PULSE/Harmonic

1ms

Simulation of transient grid interruptions

AC & DC in one

AC√ DC√ AC+DC√

Built-in standard curves

One-click to call built-in HVRT/LVRT waveforms and harmonic waveforms

3V/μs

Microsecond voltage response

Parallel

Flexible paralleling for higher power

Efficiency≥ 88%

Lower carbon emissions

Normal	>>>	Pro	>>>	Ultra
Fundamental, Cost-effective		Fully-featured, Multi-scenario		Ultimate experience, Lab testing-oriented

G6000 Series						
Function Params \ Version				Normal	Pro	Ultra
Model	18kW	450V	90A	●	●	●
	6kW	450V	90A	●	●	●
Functions	Bidirectional			-	●	●
	Unidirectional			●	-	-
	AC			●	●	●
	DC			-	●	●
	AC+DC			-	●	●
	LIST/Pulse/Step			-	●	●
	Waveform editing			-	●	●
	Harmonic mode			-	●	●
	Inter-harmonics mode			-	●	●
	RLC			-	-	●
Output parameters	Voltage accuracy			≤0.05%+0.05%F.S.		
	Current accuracy			0.1%+0.1%F.S.		
	Voltage slew rate			3V/us		
	Frequency range			15Hz ~ 200Hz		
	Frequency accuracy			0.01%		
	U_{THD}			< 0.5%@50Hz/60Hz		
				< 1%@15Hz ~ 200Hz		
	Harmonic order			Any voltage harmonics can be edited 2-100 times (5kHz max)		
	Harmonic content			50%		
	Range of phase setting			0 ~ 359.9°		
	Efficiency			> 88%		
Input parameters	Grid voltage			342 ~ 528V		
	Grid frequency			47-63Hz		
General parameters	Operating temperature			0 ~ 40℃		
	Dimensions			699(D)*445(W)*133(H)		

Note: ● come with standard equipment - none