

CE

Program output patterns for powerful flexibility

Sophisticated software tools with a logging function for importing/saving measurement value data, facilitating creation of reports, data analysis, and other operations. Includes a sequence function to edit, execute, save and operate a series of output variation patterns. Includes an arbitrary waveform creation function to easily create robust waveforms.



Specifications

Model EC1000S

Output

Maximum Output:	AC: 750 VA (115V Input), 1,000 VA (208V/230V Input)	DC: 750 W (115V Input), 1,000 W (208V/230V Input)
Modes (8):	AC-INT, AC-EXT, AC-ADD, AC-SYNC, AC+DC-INT, AC+DC-EXT, AC+DC-ADD, AC+DC-SYNC	
Voltages:	AC: 100V Range: 0.0V-135.0V; 200V Range: 0.0V-270.0V	DC: 100V Range: $\pm 190.0V$; 200V Range: $\pm 380.0V$
Maximum Current:	AC/DC: 100V Range: 10A; 200V Range: 5A	Maximum Peak: 100V Range: 40 Apk; 200V Range: 20 Apk
Frequency Setting Range:	1.0 Hz-550.0 Hz (resolution 0.1 Hz); Accuracy: $\pm 100ppm$	
Phase (Output on):	Setting Range: 0.0° to 359.9° (Resolution: 0.1°)	
Voltage Waveform:	Sine-wave, Square-wave, Arbitrary-wave (up to 16 types can be saved)	
Voltage Distortion:	0.5% maximum (50Hz/60Hz)	
Load Regulation:	0.5% maximum (at output terminal under no load and rated resistance load)	
Line Regulation:	0.2% maximum (power input voltage: 100V/120V/230V, no load, rated output)	

Measurements

Output Voltage/Current/Power:	V: DC Average value, effective value, peak value; C: RMS + peak value hold, P: Active power, apparent power, & reactive power
Load Power Factor/Crest Factor:	Power Factor Range: 0.00-1.00; Crest Factor Range: 0.00-50.00
Output - Harmonic Current:	Range: Up to 40th-order (AC internal oscillation mode, fundamental wave: 50/60Hz)
External Sync Frequency:	Range: 40-500 Hz (external synchronization mode)

Input

Voltage Range:	AC 115V - AC 230V $\pm 10\%$ (253V max.) 50Hz/60Hz $\pm 2Hz$ (single phase)
Power Consumption/Factor:	1.4 kVA max./0.95min (AC 115V), 0.9min (AC 230V)

Mechanical Specifications

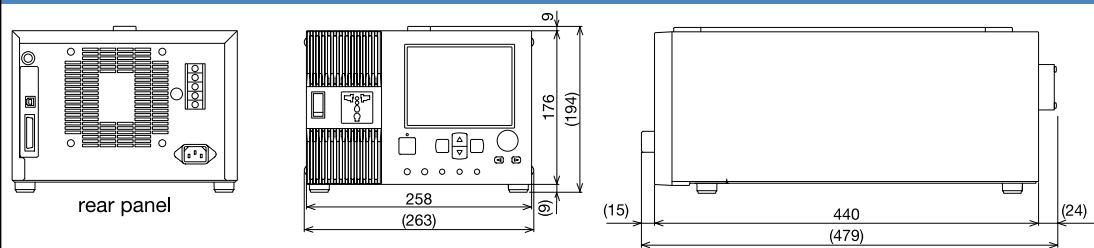
Dimensions	H: 19" (176mm) W: 5.25" (258mm) D: 23" (44mm)
Weight:	20 lbs (9.5kg)
Operating Temperature:	0-40°C, 5-85% RH (absolute humidity must be within 1-25g/m ³ , no condensation)



Rear Panel



External Drawings



Note: Specifications are subject to change without notice. Specifications are warranted over an ambient temperature range of 25°±5°C. Unless otherwise noted, specifications are per phase for a sinewave with a resistive load and apply after a 30 minute warm-up period. Notebook Computer is shown as an example for application purposes only and is not included with the EC1000S. DELL is a registered trademark of DELL Computer Corp.