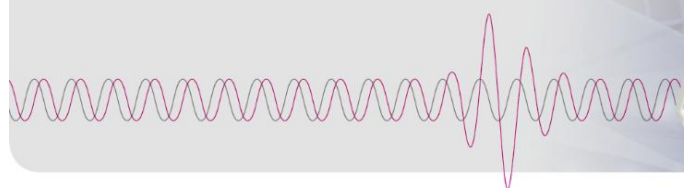


EPOS 340

SPECIFICATIONS



General Universal, portable and highly precise power source with internal DC supply.

The signal characteristics are computed by a high-performance digital signal processor and output via high-accuracy D/A converters and electronic power amplifiers.

Signal outputs All signals can be set separately and independently of one another as regards phase, amplitude and frequency. All outputs have overload and short-circuit protection. The output values of the current and voltage amplifiers are monitored by means of internal feedback measurements. If the output values do not agree with the setpoint values, a warning is issued to this effect. The device under test is connected via 4 mm flush-mounted safety sockets which are protected against direct contact.

General	THD	< 0.05% ¹⁾
	Frequency accuracy	< 0.01%
	Frequency resolution	< 0.001 Hz
	Phase angle	0...360°
	Phase resolution	0.001°
Voltage outputs	Range 1	4 x 0...300 V / 75 VA 1 x 0...600 V / 150 VA
	Range 2	4 x 0...150 V / 75 VA 1 x 0...300 V / 150 VA
	Accuracy	< 0.05% ¹⁾
	Resolution	13 mV
	Frequency range	DC...3 kHz
	Phase accuracy	< 0.05°
Current outputs	Range	3 x 0...16 A / 40 VA
	Accuracy	< 0.05% ¹⁾
	Resolution	1 mA
	Frequency range	DC...3 kHz
	Phase accuracy	< 0.05°
	Max. output voltage	4 V _{rms} , 6 V _{pk}
DC output	Output range	12...260 V
	Protection	Overload and short-circuit
	Output power	50 W (constant across the range)
Binary inputs	Number	8
	Groups	2
	Activation range	24...300 VDC
	Protection	Transient protection, polarity protection and galvanic isolation via opto-couplers
	Sampling rate	8 kHz
Binary outputs	Number	2
	Switching capacity AC	0...250 V, 8 A, resistive load
	Switching capacity DC	0...300 V, I _{max} = 8 A, 50 W, resistive load
	Protection	Potential-free and galvanically isolated output relays

¹⁾ Valid for the 10...200 Hz frequency range

Analog inputs	Number	8
	Measuring range	0...±10 V
	Protection	Galvanic isolation via high-speed digital isolators
Operation	PC	EPOS operating software for Windows® 7/8/10
	Stand-alone	3.5"-touch screen, high-resolution, resistive, 2 function keys and jog wheel
	Screen	High-resolution, resistive 3,5" touch screen
	Display elements	8 status LEDs
System version	Power supply	Rated voltage 100 to 265 VAC, 47 to 63 Hz, 120 to 265 VDC Wattage max. 1200 VA
	Connections	All connection points are located on the front panel. 4 mm flush-mounted safety sockets are used
	Interfaces	USB-B, Ethernet (RJ 45)
	Housing	Portable 19" housing 3 U Carrying handle can also be used as a stand
	Dimensions (W x H x D) without handle	470 x 162 x 316 mm
	Weight	12 kg
Environment	Operating temperature	0...50°C
	Storage temperature	-20...60°C
	Relative humidity	5...90%, non-condensing
	Protection class	IP20
	Safety	EN 61010-1 300 V~CAT II
	EMC requirements	EN 61326-1: 2013