

MT500 – Technical Data

General

Power supply	85 ... 265 V, 47 ... 63 Hz
Power consumption	~ 210 VA
Temperature range, operation	-10° ... + 50° C
Temperature range, storage	-15° ... + 65° C
Relative humidity (not condensing)	max. 95 %
Dimensions (DxWxH)	330 x 330 x 230 mm
Weight	~ 12 kg

Safety

IP class according to DIN EN 60529	IP40
Declaration of conformity	CE conform
Protection class according to DIN EN 61140	I

Source

Voltage min. max.	20 V ... 300 V~
Voltage range(s)	75 V, 150 V, 300 V
Voltage max. output power 8)	15 VA
Voltage distortion 3)	< 0.5 %
Voltage resolution	5 digits
Voltage accuracy 3)	< 0.2 %
Voltage stability 3) 9)	< 0.02 %
Voltage load dependence	< 0.02 %
Current min. max.	1 mA ... 12 A~
Current range(s)	12 A, 6 A, 3 A, 1.2 A, 600 mA, 300 mA, 120 mA, 60 mA, 30 mA
Current max. voltage per range	1.3 V (12 A) - 2.7 V (6 A) - 5 V (3 A) - 6 V (1.2 A ... 30 mA)
Current max. output power 8)	15 VA
Current distortion 4)	< 0.5 %
Current setting resolution	5 digits
Current accuracy 4)	< 0.2 %
Current stability 4) 9)	< 0.02 %
Current long term stability 4)	< 0.02 %
Current load dependence	< 0.02 %
Frequency range	45 ... 65 Hz
Frequency accuracy	0.01 Hz
Frequency setting accuracy	0.01 Hz
Phase angle setting range	0.00 ... 359.99°
Phase angle setting resolution	0.01°
Phase angle accuracy	< 0.1°
Phase angle stability 9)	< 0.01°

3: From 30 V ... 300 V

4: From 10 mA ... 12 A

8: Related to end of maximum range and end of range and ohmic load

9: Stability over 1 hour (measurement with $t_i = 10$ s)

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Subjects to alteration.

MT500_SPECS_EXT_GB_V400