

## EMOB500 – Technical data

<b>General</b>	
Weight	18.5 kg
Temperature range, operation	-10° ... + 40° C
Relative humidity (not condensing)	10 ... 90 %
Connector type	IEC 62196 (CCS2)
Overtemperature monitoring, warning threshold	> 80 °C
Overtemperature monitoring, shutdown threshold	> 90 °C
Temperature development, warming @ 500 A	~ 3 K / min
Temperature development, cooling behaviour	~ -1.5 K / min
<b>Safety</b>	
Declaration of conformity	CE conform
Overvoltage category current measurement DC	CAT I 1000 V
<b>Voltage Measurement DC</b>	
Voltage measurement DC accuracy <sup>23)</sup>	< 0.05 % @ 200 V ... 1000 V < 0.1 % @ 100 V ... < 200 V
Voltage measurement DC temperature drift	< 15 x 10 <sup>-6</sup> / K
Voltage measurement DC long term stability	< 100 x 10 <sup>-6</sup> / Year
Maximum of voltage DC	1200 V=
<b>Current measurement DC</b>	
Current measurement DC accuracy <sup>23)</sup>	< 0.05 % @ 20 A ... 500 A < 0.1 % @ 2 A ... < 20 A
Current measurement DC temperature drift	< 15 x 10 <sup>-6</sup> / K
Current measurement DC long term stability <sup>23)</sup> > 10 A	< 200 x 10 <sup>-6</sup> / Year
Maximum current	500 A =
Current channels surge current capability	570 A (1 min)
<b>Power Measurement DC</b>	
Power/energy measurement DC accuracy <sup>3) 23)</sup>	< 0.1 % @ 20 A ... 500 A < 0.15 % @ 2 A ... < 20 A
Power/energy measurement DC temperature drift <sup>3) 4) 23)</sup>	< 30 x 10 <sup>-6</sup> / K
Power/energy measurement DC long term stability <sup>3) 4) 23)</sup>	< 300 x 10 <sup>-6</sup> / Year

3: From 200 V ... 1000 V

4: From 20 A ... 500 A

23: In connection with MT310s2 / MT320s2

Subjects to alteration.

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