



# TruPlasma Match Series 1000 (G2/13)

Technical data



**TruPlasma Match  
Series 3000****TruPlasma Match  
Series 6000****TruPlasma Match  
Series 12000****RF OUTPUT**

OUTPUT POWER	3 kW	6 kW	12 kW
RATED POWER	3 kW	6 kW	12 kW
OUTPUT FREQUENCY	13.56 MHz	13.56 MHz	13.56 MHz

**NETWORK CONNECTION DATA**

LINE VOLTAGE	(±10%) 23.5 V - 24.5 V	(±10%) 23.5 V - 24.5 V	(±10%) 87 V - 264 V
LINE FREQUENCY	50 Hz - 60 Hz	50 Hz - 60 Hz	50 Hz - 60 Hz

**COMMUNICATION INTERFACES**

SYNC INTERFACES	yes	yes	yes
ANALOG/DIGITAL	yes	yes	yes
RS 232 / RS 485	yes	yes	yes
PROFIBUS	yes	yes	yes
ETHERCAT	yes	yes	yes
DEVICENET	no	no	no

**HOUSING**

WEIGHT	15 kg	8 kg	27 kg
IP PROTECTION CLASS	21	21	21

**COOLING REQUIREMENTS**

MAXIMUM WATER PRESSURE	-	-	6 bar
MINIMUM PRESSURE DIFFERENCE	-	-	1.5 bar
MINIMUM FLOW RATE	-	-	3.5 l/min
COOLANT TEMPERATURE	-	-	10 °C - 30 °C <sup>1</sup>

**GENERAL**

CERTIFICATES / STANDARDS	CE, EN61010, SEMI S2, SEMI F47	CE, EN61010, SEMI S2, SEMI F47	CE, EN61010, SEMI S2, SEMI F47
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**AMBIENT CONDITIONS**

OUTSIDE TEMPERATURE	10 °C - 35 °C	10 °C - 35 °C	10 °C - 35 °C
HUMIDITY	20 % - 75 %	20 % - 75 %	20 % - 75 %
BAROMETRIC PRESSURE	800 kPa - 1013 kPa	800 kPa - 1013 kPa	800 kPa - 1013 kPa

**TruPlasma Match Series 24000****RF OUTPUT**

OUTPUT POWER	24 kW
RATED POWER	24 kW
OUTPUT FREQUENCY	13.56 MHz

**NETWORK CONNECTION DATA**

LINE VOLTAGE	(±10%) 87 V - 264 V
LINE FREQUENCY	50 Hz

**COMMUNICATION INTERFACES**

## TruPlasma Match Series 24000

SYNC INTERFACES	yes
ANALOG/DIGITAL	yes
RS 232 / RS 485	yes
PROFIBUS	yes
ETHERCAT	yes
DEVICENET	no

### HOUSING

WEIGHT	30 kg
IP PROTECTION CLASS	21

### COOLING REQUIREMENTS

MAXIMUM WATER PRESSURE	6 bar
MINIMUM PRESSURE DIFFERENCE	1.5 bar
MINIMUM FLOW RATE	5 l/min
COOLANT TEMPERATURE	10 °C - 30 °C <sup>1</sup>

### GENERAL

CERTIFICATES / STANDARDS	CE, EN61010, SEMI S2, SEMI F47
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### AMBIENT CONDITIONS

OUTSIDE TEMPERATURE	10 °C - 35 °C
HUMIDITY	20 % - 75 %
BAROMETRIC PRESSURE	800 kPa - 1013 kPa

## Footnotes

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1 — The cooling water temperature must exceed the dew point of the room air temperature to ensure no condensation.