



TruPlasma Bias Series 4000

Technical data



TruPlasma Bias 4012**TruPlasma Bias 4018****TruPlasma Bias 4026****OUTPUT**

RATED POWER	12 kW	18 kW	26 kW
MAXIMUM OUTPUT CURRENT	40 A eff	60 A eff	87 A eff
MAXIMUM OUTPUT VOLTAGE	1200 V eff	1200 V eff	1200 V eff
NOMINAL OPERATING FREQUENCY	0 kHz - 100 kHz	0 kHz - 100 kHz	0 kHz - 100 kHz

ARC PARAMETER

MAXIMUM ARC RATE	50 1/s	50 1/s	50 1/s
ARC TREATMENT TIME	<0.5 µs	<0.5 µs	<0.5 µs

NETWORK CONNECTION DATA

LINE VOLTAGE	3x 360 V - 440 V	3x 360 V - 440 V	3x 360 V - 440 V
LINE FREQUENCY	50 Hz - 60 Hz	50 Hz - 60 Hz	50 Hz - 60 Hz

COMMUNICATION INTERFACES

ANALOG/DIGITAL	yes	yes	yes
RS 232 / RS 485	-	yes	-
PROFIBUS	yes	-	yes
ETHERCAT	no	no	no

HOUSING

WEIGHT	70 kg	70 kg	71 kg
IP PROTECTION CLASS	IP 20	IP 20	IP 20

COOLING REQUIREMENTS

COOLANT	Air	Air	Air
COOLANT TEMPERATURE	5 °C - 35 °C	5 °C - 35 °C	5 °C - 35 °C

GENERAL

OVERALL EFFICIENCY	90 %	90 %	90 %
CERTIFICATES / STANDARDS	CE	CE	CE

AMBIENT CONDITIONS

OUTSIDE TEMPERATURE	5 °C - 35 °C	5 °C - 35 °C	5 °C - 35 °C
HUMIDITY	5 % - 85 %	5 % - 85 %	5 % - 85 %
BAROMETRIC PRESSURE	860 kPa - 1060 kPa	860 kPa - 1060 kPa	860 kPa - 1060 kPa