

Low Ripple Switch Mode Power Supply

Overview over all types



Water cooled



Air cooled



	Water cooled		Air cooled						
Type	2kW / 2.45 GHz	3kW / 2.45 GHz	2kW / 2.45 GHz	3kW / 2.45 GHz	2kW / 2.45 GHz	3kW / 2.45 GHz	5kW / 915 MHz	6kW / 2.45 GHz	
Connection	Front side	Front side	Front side	Front side	Back side	Back side	Front side	Front side	
Electrical and Technical Data	Line Input	3 x 400 V _{AC}	3 x 400 V _{AC}	3 x 400 V _{AC}	3 x 400 V _{AC}	3 x 400 V _{AC}	3 x 400 V _{AC}	3 Phase 400 V _{AC} 3 Phase 440 V _{AC} 3 Phase 575 V _{AC}	3 Phase 400 V _{AC} 3 Phase 440 V _{AC} 3 Phase 575 V _{AC}
	Line Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz
	Input Power	3.4 kVA @ 400 V _{AC}	4.72 kVA @ 400 V _{AC}	3.28 kVA @ 400 V _{AC}	4.57 kVA @ 400 V _{AC}	3.28 kVA @ 400 V _{AC}	4.57 kVA @ 400 V _{AC}	8.3kVA @ 400V _{AC}	9.92kVA @ 400V _{AC}
	Maximum intake current	5.5A @ 360V _{AC}	7.5A @ 360V _{AC}	4.8A @ 360V _{AC}	7.4A @ 360V _{AC}	4.8A @ 360V _{AC}	7.4A @ 360V _{AC}	12.5A @ 380V _{AC}	15.3A @ 380V _{AC}
	Magnetron Output Power	2000 W	3000 W	2000 W	3000 W	2000 W	3000 W	5000 W	6000 W
	Rated Output Current	725 mA	840 mA	725 mA	840 mA	725 mA	840 mA	850 mA	1250 mA
	Power Adjustment Signal Range	0-10 V _{DC}	0-10 V _{DC}	0-10 V _{DC}	0-10 V _{DC}	0-10 V _{DC}	0-10 V _{DC}	0-10 V _{DC}	0-10 V _{DC}
	Efficiency	≥91%	≥91%	≥96%	≥96%	≥96%	≥96%	≥90%	≥90%
Cooling	Intake Airflow (without filter)	Appx. 45m ³ /h	Appx. 45m ³ /h	Appx. 55m ³ /h	Appx. 55m ³ /h	Appx. 55m ³ /h	Appx. 55m ³ /h	Appx. 300 m ³ /h	Appx. 300 m ³ /h
	Waterflow	≥0.5l/min	≥0.5l/min						
	Water Pressure	8 bar max.	8 bar max.						
	Water temperature	+18°C to +22°C	+18°C to +22°C						
	Water quality	clear water	clear water						
Mechanical Data	Front Panel Height	3HE (135 mm)	3HE (135 mm)	3HE (131 mm)	3HE (131 mm)	3HE (131 mm)	3HE (131 mm)	7HE (311 mm)	7HE (311 mm)
	Depth with Connectors applied	592.6 mm	592.6 mm	635.6 mm	635.6 mm	662.6 mm	662.6 mm	660 mm	660 mm
	Total Weight	Appx. 18 kg	Appx. 18 kg	Appx. 18 kg	Appx. 18 kg	Appx. 18 kg	Appx. 18 kg	Appx. 40 kg	Appx. 40 kg

- Adjustable for all type of Magnetrons
- 19" rack mounted (width: 482.6 mm)
- Ambient Temperature +5°C to +40°C operating
- Relative Humidity 80% @ 30°C to 50% @ 40°C
- Low Ripple Current ≤ 2% , ideally for plasma applications and other most applications
- CE- and CSA- Approval
- Stable filament control prolongs the magnetron life
- Microcontroller based monitoring and controlling of all-important Magnetron Operating Parameters like High Voltage and Current

- Sophisticated Design allows the generator always working at the ideal operating point (high efficiency and longer magnetron lifespan)
- Low electromagnetic interference, improved fail-safe design against electromagnetic interference's
- Protective features to guard the magnetron and itself against failures
- Improved protective design to guard the person who accidentally touched the High Voltage
- Advanced alarm handling, all alarms can be displayed in a plain text Fieldbus-Interface
- Two different control options to suit most application requirements (e.g. PLC control or fieldbus control capabilities)