

E-SERIES E100-i



E-GUN MODULATOR WITH A PEAK POWER UP TO 30 KW AND OPERATIONAL VOLTAGE LEVEL UP TO 30 KV

This solid-state pulse modulator is designed to operate all kinds of Diode E-guns with a peak power up to 30 kW and voltage level up to 30 kV. It can also operate Triode E-guns without grid emission control. To facilitate system integration, the modulator has a split design, divided into a Tank unit and a Pulse unit. E100-i is equipped with ScandiNova's high end remote control system featuring a wide range of shape modifications for every pulse as well as unique automatic pulse shape tuning. E100 is also available with dual energy – E100D-i.

SYSTEM SPECIFICATIONS	UNIT	DATA	NOTES
Peak Power to E-gun	kW	0–30	Dual energy option available
Average Power to E-gun	W	0–40	Dual energy option available
Operational Voltage Range	kV	0–30	Higher Voltage on request
Operational Current Range	A	0–1	Higher Current on request
Pulse Repetition Frequency Range	Hz	0–400	According to external trig generator. Single shot operation possible.
Pulse Length (top)	µs	0,5–4	Longer Pulse Length on request
Cooling	–	Air	

INTERFACE	DEFAULT	OPTION
Mains Power, Single Phase	230 VAC, 50/60 Hz	115 VAC
Control Interface	ModBus TCP	–
Trig Input	Electrical	
Diagnostics	Pulse Voltage and Current	

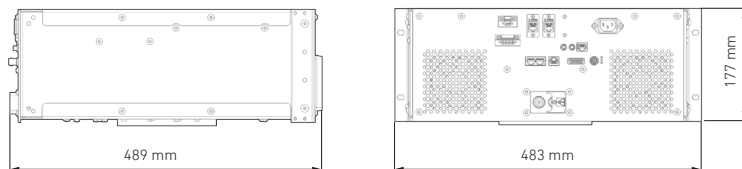
Standard Modulator Includes

Control System
 Remote Control
 Filament PS
 Pulse Sensors
 Internal Trig Generator
 Digitizer
 Over Temperature Protection
 Automatic Pulse Shape Tuning
 Cable kit between PU and TU
 standard length 2m (option up to 10m)
 HV Cable. 0,5m

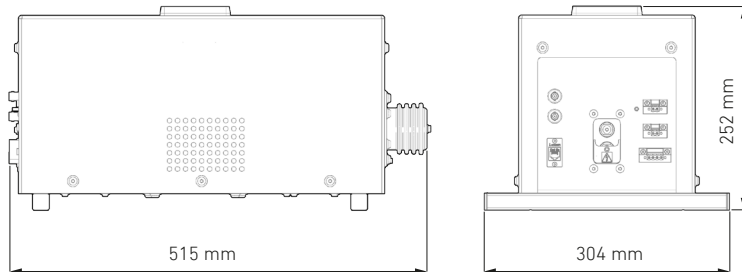
Size and Weight

Weight approx.
 Pulse Unit 17 kg
 Tank Unit 15 kg

Pulse Unit



Tank Unit



*Information contained in this document
 is subject to change without notice.*

HEADQUARTERS

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