



Parameters	E1	Unit
RF Peak Power		[MW]
Pulse Voltage	10 - 45	[kV]
Pulse Current	0,1 - 1,5	[A]
Modulator Peak Power	0,1	[MW]
Modulator Average Power	0,1 - 0,5	[kW]
Mains: 1-phase / 3-phase	1	
Cooling	Air	

The ScandiNova E1 Modulator is an outstanding choice to meet your most critical needs

ScandiNova E-Gun Modulators cover the full range of standard pulsed electron guns. The E1 Modulator is designed to handle electron guns up to 100 kW with maximum peak voltages of 45 kV and maximum peak current of 1.5 amps. This modulator provides unparalleled performance, ease of integration and use by customers and provides the smallest package size available to meet system integrators most critical packaging needs. The E1 modulators have become a flexible and reliable solution for users with demanding electron gun pulsing requirements.

- › Reliable modular design results in a modulator that provides an extremely high level of operator and technician safety due to low primary voltage levels. These low voltages also eliminates most component failures due to reduced thermal and electrical stress.
- › Lower cost of ownership due to high electrical efficiency, removal of expensive consumables that need regular maintenance and fewer unscheduled stops. The high electrical efficiency allows cooling costs to be approximately half of a line type pulse forming network modulator.
- › Precise control over the pulse shape and amplitude allows users to configure the modulator to get optimal performance from their transmitter system. Both peak and average power delivery can be adjusted over time to meet changing system requirements.
- › A wide array of digital data interfaces are supported allowing system parameters to be modified and operating data to be communicated to the customer. This allows for easy system setup, performance monitoring and data archival.