



Rhea Model

High Speed, High Power Capacitor



Specification Summary

The Rhea power supply is a high speed high power capacitor charging power supply. It uses a rugged IGBT based inverter running in resonant mode to achieve high efficiency and excellent ruggedness.

Input Power

Voltage Source	380VAC 415VAC 440VAC three phase or 550VDC
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Output Power

Output Voltage	500V, 1000V, 1500V, 2000V
Polarity	Positive or negative
Output Adjustable	Adjustable from 0 to rated output voltage Adjustable from 0 to rated output current
Stability	Better than 0.1%
Line Regulation	Better than 0.1%
Load Regulation	Better than 0.1%
Output Power	20kW, 30kW

Operating Mode	Constant voltage or constant current
Operating Cycle	Continuous
Charging PRF	Up to 4000Hz
Cooling	Water cooling
Efficiency	>90%
Power Factor	>0.9
Dimension	19" Subrack, 9U height, 700mm depth
Weight	70kg
Operating Temperature	0 to 40°C
Operating Humidity	<90% non-condensing