

# CCPS Series

## Reckblage cassette capacitor charger



- 64 standard products
- ◇ Reference: see chart for complete reference
- ◇ Vin: 15Vdc or 24Vdc
- ◇ Vout: 0 to 1kV, 2kV or 4kV
- ◇ Pout: 1W, 2W or 4W



### General Description

◇ This module is a high voltage power supply dedicated to capacitor charging, the output current is regulated to 100mA and the charging voltage is programmable by a switch on the front panel from 0 to 1000Vdc in 100V steps. The output is floating, i.e. The plus and minus terminals can be subjected to an offset voltage of +/- 2000V with respect to earth, which allows the charger to be used on resonant LC circuits for example.

Installed in a 3U crates 24TE wide

Equipped with two front panel displays for voltage and charging current, an end of charge LED and a residual charge indicator LED when the mains is switched off

Logic on/off input on the rear connector is used to manage the load symbols

Parameters	Specifications
Input voltage Vin	Universal 85-264V + mains ON/OFF switch on rear panel with main power indicator
IMan output power	1000W continuous
Floating outputs	Isolated up to 2KV
End of charge	By indicator
Residual load indicator	In case of power failure
Voltage and current output	Displays on front panel
Backplane connector	DIN41612H15M
High voltage out put vout	Floating output adjustable from 0 to 1000V
Politary	Fixed positive
Isolation voltage	2000Vdc
High voltage setting	Front rotary switch, steps 100V
High voltage monitoring	Analog 0/+5V
Max output current Iout	100mA

# CCPS Series

## Reckablage cassette capacitor charger

Parameters	Specifications
Min capacitive load for stability	TBD
Charge time	$C_{load} \times U / 1000mA$
Average power	100W
Residual ripple	n.a.
High voltage inhibit	by TTL or Open/close signal
Thermal drift	100ppm/°C (higher stability on request)
Operating temperature	0°C to +40°C
Storage ambient temperature	10°C to +70°C
Safeguards	Arc and short circuit protection

