

## DC current source Type CS Series

*Applications:*  
*Circuit Breaker testing*  
*Thermal testing*  
*etc.*



Fig. 1: CS 1200 unit

### Top Facts:

- ✓ *High power efficiency >75%*
- ✓ *Switch-mode design*
- ✓ *Easily stackable for power upgrade*
- ✓ *Built-in control intelligence*
- ✓ *Small dimensions*
- ✓ *Integrated sequencer*
- ✓ *PC based sequencer development application*
- ✓ *Integrated measurement unit for voltage, current and power measurement*

## TECHNICAL DATA

<b>Output:</b>		
<i>Continuous power</i>		1200W
<i>Nominal current</i>		200A
<i>Nominal voltage</i>		6V
<i>Output contactors</i>		Safety terminals
<b>Constant voltage mode:</b>		
<i>Max. line regulation</i>		0.01% of rated output voltage +2mV
<i>Max. load regulation</i>		0.01% of rated output voltage +2mV
<i>Ripple / noise @20MHz</i>		<60mV <sub>pp</sub>
<i>Ripple @5Hz ... 1MHz</i>		<8mV <sub>rms</sub>
<i>Response time up</i>		<80ms
<i>Response time down (full load)</i>		<10ms
<i>Response time down (no load)</i>		<500ms
<i>Transient response time (10% ... 90%)</i>		<1ms
<b>Constant current mode:</b>		
<i>Max. line regulation</i>		0.01% of rated output current +2mA
<i>Max. load regulation</i>		0.02% of rated output current +5mA
<i>Ripple @5Hz ... 1MHz</i>		<190mA <sub>rms</sub>
<b>Protection circuits:</b>	Overload / Open output / Overtemperature	
<b>Control unit:</b>	Touch-panel adjustment or PC control	
<i>Touch screen adjustments</i>	current, voltage	
<i>Controls</i>	Output On/Off	
<i>Measurement</i>	Voltage / Current / Power	
<b>Interface:</b>	Ethernet (optional IEEE488) Digital I/O – 8in + 8out	
<b>Power Supply:</b>	230V (±10%, 50Hz ... 60Hz) 2.5A / Safety plug	
<i>Protection / Contactor type</i>		
<b>Ambient temperature:</b>	0°C ... 40°C	
<b>Housing:</b>	19"-unit, colour light grey (RAL 7035)	
<i>Dimensions (mm)</i>	178x483x650 (4U)	
<i>Weight</i>	approx. 20kg	

