

A633

4 Channel High Resolution 4 kV/40 μ A Board

Family: Power Supply

- Fully compatible with SY 127 software release: 6.0 and subsequent
- Improved Ripple
- VMAX protection: front panel trimmer setting for each channel of the max. output voltage (from 0 to the nominal maximum value)
- VMAX read-out: front panel test point read-out (for each channel) of the voltage, with a 2% accuracy at full scale
- TRIP Status/Control front panel connectors



Overview

The A633 is a HV plug-in module for the SY127 providing 4 kV (positive or negative polarity) with a 40 μ A current limit.

The module has four output channels and SHV connectors.

Each channel features:
 a LED indicator, ON when active;
 VMAX protection (hardware protection of max output voltage) set by front-panel trimmer and read by means of a test point;
 TRIP Status/Control feature (channel trip detection and switch-off control).

The module is fully compatible with the SY127 Software Release 6.0 (and following), and features an improved ripple by the use of an internal modulated oscillator.

Technical Specification Table

Vout full scale	4 kV
Iout full scale	40 μ A
Voltage resolution	1 V
Current resolution	10 nA
Ramp up/down	500 V/s
Max ripple pp	<50 mV

Ordering Options

Code	Version	Description	Available	New
WSY127A633NX	A633N	SY 127 H.V. Channels -4 KV/40 μ A (4 ch)	●	
WSY127A633PX	A633P	SY 127 H.V. Channels +4 KV/40 μ A (4 ch)	●	

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