

A431

4 Channel 8 kV/200 µA 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 A431 is a HV plug-in module for the SY127 providing 8 kV (positive or negative polarity) with a 200 µA 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	8 kV
Iout full scale	200 µA
Voltage resolution	2 V
Current resolution	200 µA
Ramp up/down	500 V/s
Max ripple pp	<150 mV

Ordering Options

Code	Version	Description	Available	New
WSY127A431NX	A431N	SY 127 H.V. Channels -8 KV/200 µA (4 ch)	<div></div>	
WSY127A431PX	A431P	SY 127 H.V. Channels +8 KV/200 µA (4 ch)	<div></div>	