

# Product Data Sheet

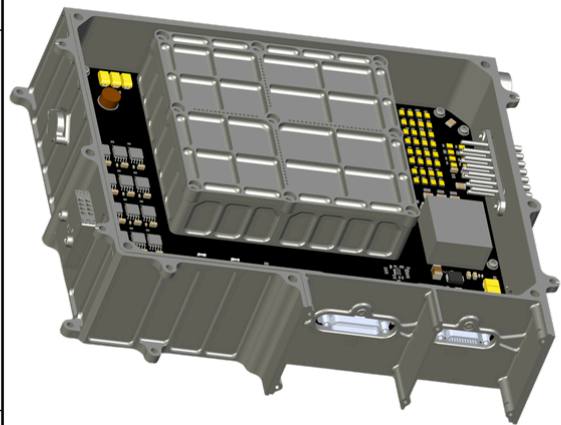
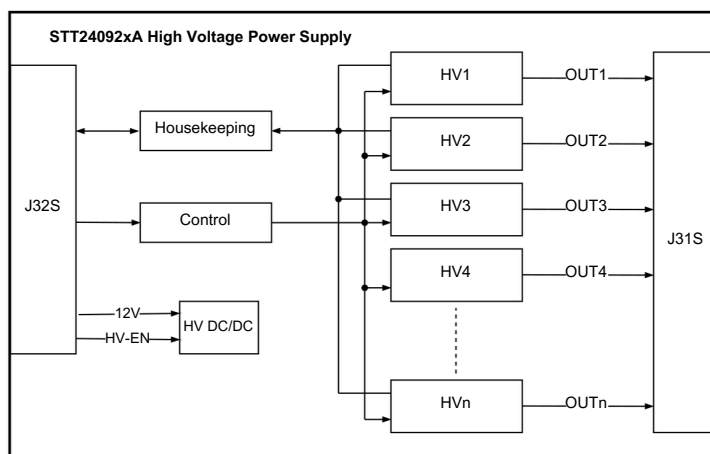
## High Voltage Power Supply (STT24092xA)

Spaceflight Electronics

Version 2.1 | 2025

### Product Description

The high voltage power supply module delivers precise, low-noise output voltages up to 8 kV, tailored for scientific and aerospace applications. Designed for reliability in harsh environments, including space, these modules are ideal for powering ion optics and detectors in spaceborne and scientific instruments.



### Product Features

- Multichannel high voltage power supply
- Up to 8 kV per channel
- Reversible polarity
- Each channel can source and sink current and is short-circuit-proof
- Settling time < 500 ms
- Ripple < 50 ppm
- Commanding and monitoring protection to avoid excessive voltage gradients between the electrodes

### Typical Applications

- Mass spectrometers (e.g., TOF-MS, ion traps, quadrupoles)
- Electron and ion optics (e.g., electrostatic lenses, deflectors)
- Charged particle detectors
- Dynode or MCP detector supply
- Plasma instruments
- Accelerator subsystems

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