

Power Switching Electronics (PSE)

Integrated Solution for Secondary Rideshare Payloads

The Power Switching Electronics (PSE) component is configurable for up to 6 channels of power switching and monitoring. The unit is compatible with traditional communication interfaces. The PSE Switches unregulated power to the spacecraft bus components or payloads via opto-isolated control. It has provision for red limit (hardware circuit breaker) and yellow limit (software configurable) and can be integrated with the telemetry module.



FEATURES

Stackable, extendable design — more channels, variable current limits

6U form factor

Local microcontroller logic allows “setpoint” control of output current

Modular interface card can be selected for Spacewire or RS-422 communications

Two design configurations

- Short duration
- Long duration / high reliability