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E-Sense Power

Non-invasive converter-level on-state voltage measurement for power semiconductor devices

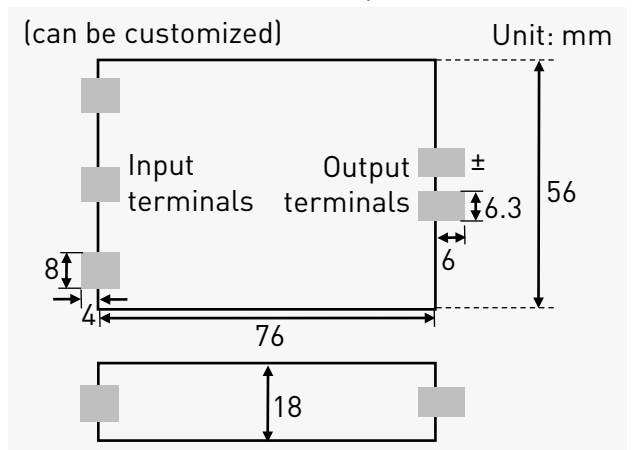
Specifications

Input voltage	±3300 V	±1700 V	±1200 V	±600 V
Output voltage	[-6.5, +6.5] V (adjustable)			
Response time	< 100 ns			
Measurement error	< 0.1%			
Isolation (optional)	(5 kV _{rms})			
Power supply	No			

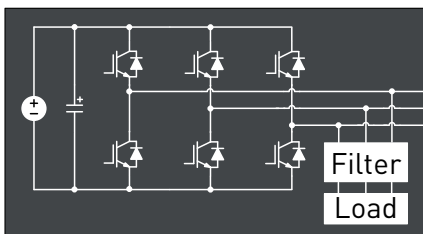
Features

- Converter-level (optional for component-level)
- Plug-and-play
- Non-invasive
- No external power supply
- Scalable for power semiconductor voltage ratings
- Accessible to existing and new power converter designs

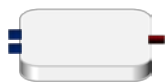
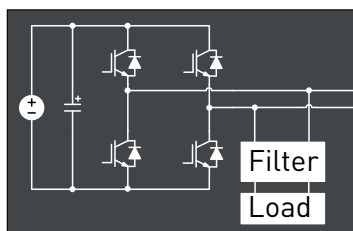
Dimensions (±3300 V three-phase version)



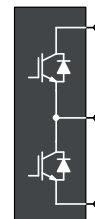
Applications



Three-phase version
 (single unit to obtain the on-state voltages of six IGBTs and six diodes)



Single-phase version



Phase-leg version



Single switch version

