

## Digital Programmable Gate Driver ICs for SiC

### Key Features:

- Patented Augmented Switching™
- Patented Robust Short Circuit Detection
- Temperature & DC Link Monitoring
- 7 Unique Fault Conditions
- UVLO, OVLO
- Overcurrent Protection



ASD1  
Non-Isolated

In Production



ASD2  
Non-Isolated

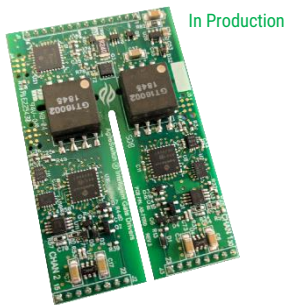
Coming Q4 2019



ASD3  
Isolated

Coming Q2 2020

## Gate Driver Cores for SiC

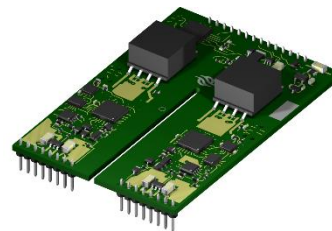


In Production

### ◀ Key Features ▶

- 15 Software Configurable Features
- Programmable +/-Vgs
- Patented Augmented Switching™
- DC-DC Converter
- Temperature & DC Link Monitors
- Up to 7 unique Faults

2ASC-12A1HP  
1200V Dual-Channel Core  
3W/10A



Coming Q3 2019

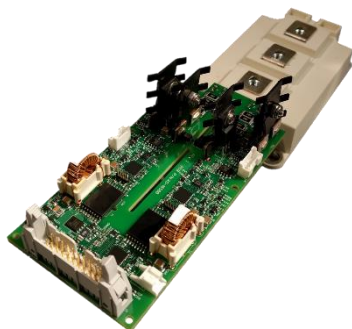
2ASC-17A1HP  
1700V Dual-Channel Core  
5W/ 20A

Module Adapter Board  
Designs Available!



62mm Adapter  
See reverse for details

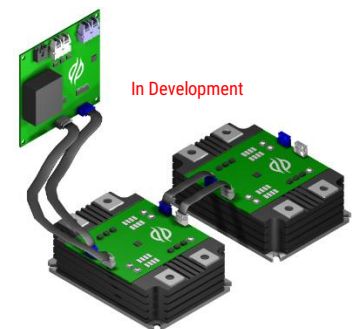
## Gate Driver Boards for SiC



62mm SiC Series  
10W/ 20A



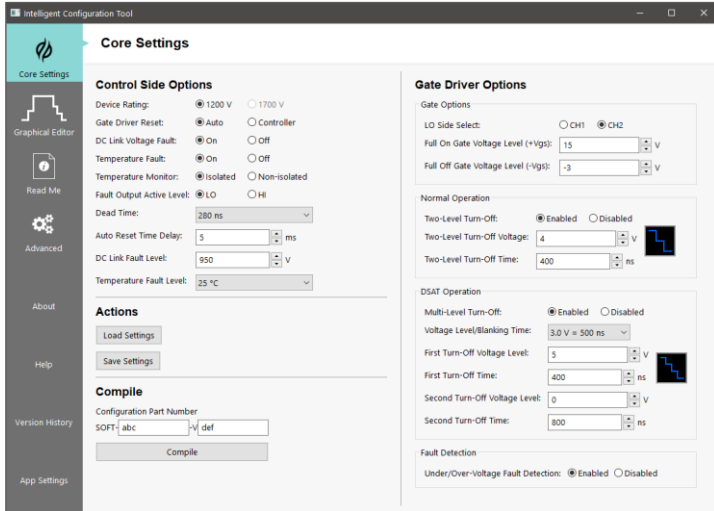
EDEM SiC Series  
3W/ 15A



In Development

XHP SiC Series  
10W/ 30A

## Intelligent Configuration Tool – ICT



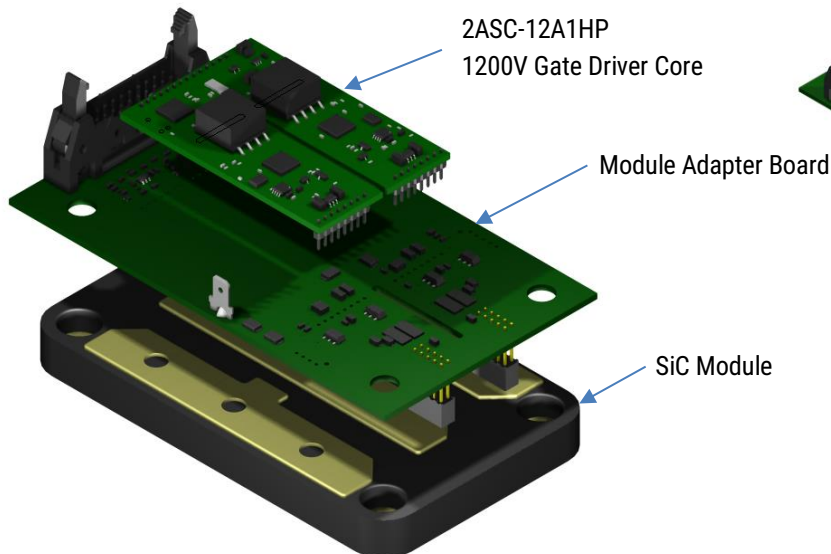
### Optimize with a Keystroke

- Adjust Settings for...
  - Augmented Switching™ Profiles
  - Fault Reporting
  - DC Link and Temperature Trip Levels
  - On & Off Gate Voltages\*
- Quickly and Easily Characterize New Devices
- Change Driver Settings in the Field
- Available for SiC Cores and 62EM Gate Drivers

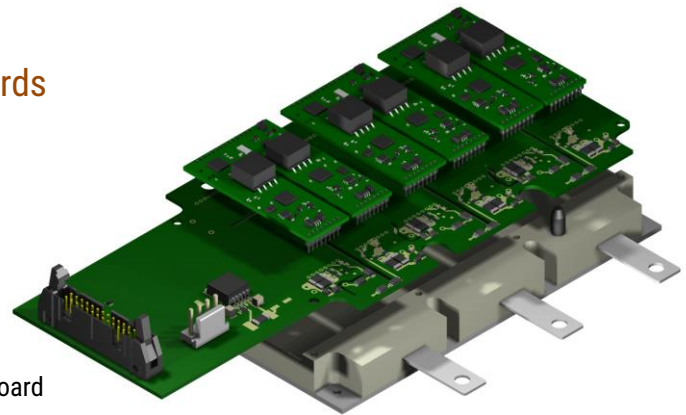
\*SiC Cores Only

## Module Adapter Boards

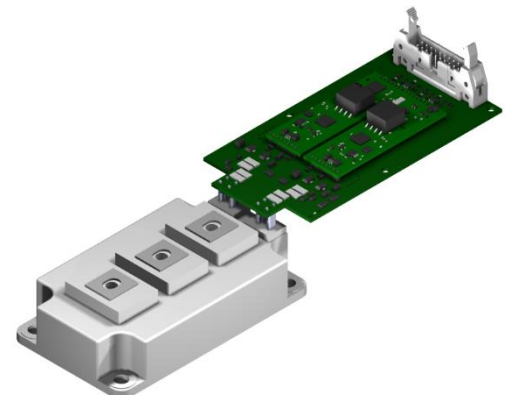
- Dedicated Design & Support Team
- Readily Available Family of Tested Module Adapter Boards
- Custom Adapter Boards (NRE)



*High Performance 62mm Half-Bridge Module Adapter  
for 2ASC-12A1HP*



*Automotive Adapter for 2ASC-12A1HP*



*62mm Half-Bridge Module Adapter for 2ASC-12A1HP*

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