



## **PRODUCT SHEET**



<b>Product Part Number</b>	<b>1001443-4-XX</b>
<b>Product Description</b>	<b>SiC Inverter, 3 phase</b>
<b>Voltage</b>	<b>550 to 850Vdc Range; 700Vdc Nominal</b>
<b>kVA Rating</b>	<b>294kVA</b>
<b>External Component Dimensions LxHxW</b>	<b>225.1x194.8x64.9 mm<sup>3</sup></b>
<b>Weight</b>	<b>2.0kg</b>

Our 5<sup>th</sup> generation Power Stage is liquid-cooled with integrated heatsink for SiC MOSFETs. For automotive applications, the high-power density design saves space and simplifies inverter packaging. The Power Stage utilizes high efficiency 1200V rated SiC MOSFETs and has been validated to AEC Q101 and AQC324 for reliability. Provided is signal interface definition for the customer to adapt their own controller. Two phase current sensors are included. Also available is a complete inverter in a housing with all I/O connectors and CAN protocol for full operation if desired.