



Semiconductor  
Distribution

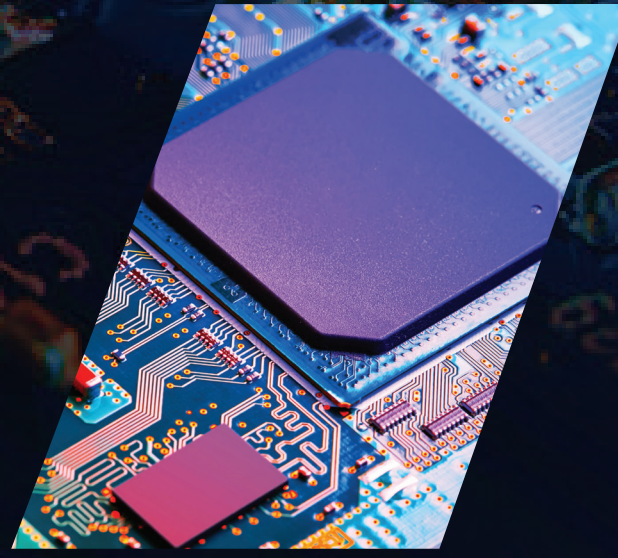
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# PRODUCT CATALOGUE

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 **Nuvonix**  
By Rebound

## ABOUT US

### INTRODUCTION

Alpha Power Solutions (APS) is the first 6-inch Silicon Carbide (SiC) power device manufacturer in Greater China competing directly and taking business away in China from incumbent international power device manufacturers.

Our strategy is to power China to green energy by providing optimized SiC products to customers using our proprietary SiC process running in both normal silicon and dedicated SiC wafer fabs, taking advantage of low-cost silicon wafer fab and best processing tools available to achieve volume SiC production without high capital investments.



### QUALITY ACCREDITATIONS AND APPROVALS

Achieved ISO9001 Quality Control System Certificate, ISO14001 Environmental Management System Certificate, RoHS, REACH SVHC, Halogen-Free, Conflict Materials and International Automotive management system IATF16949. Products meet standards qualifications of power device based on JESD47, AECQ101, JEP148, JESD94 and JC-70.







## PRODUCT PORTFOLIOS

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### SiC Diodes

- 650V / 6A – 50A
- 900V / 18A – 40A
- 1200V / 10A – 40A
- 1700V / 6A – 40A



### SiC Mosfet

- 650V / 30 m $\Omega$  – 120 m $\Omega$
- 900V / 30 m $\Omega$  – 220 m $\Omega$
- 1200V / 30 m $\Omega$  – 160 m $\Omega$

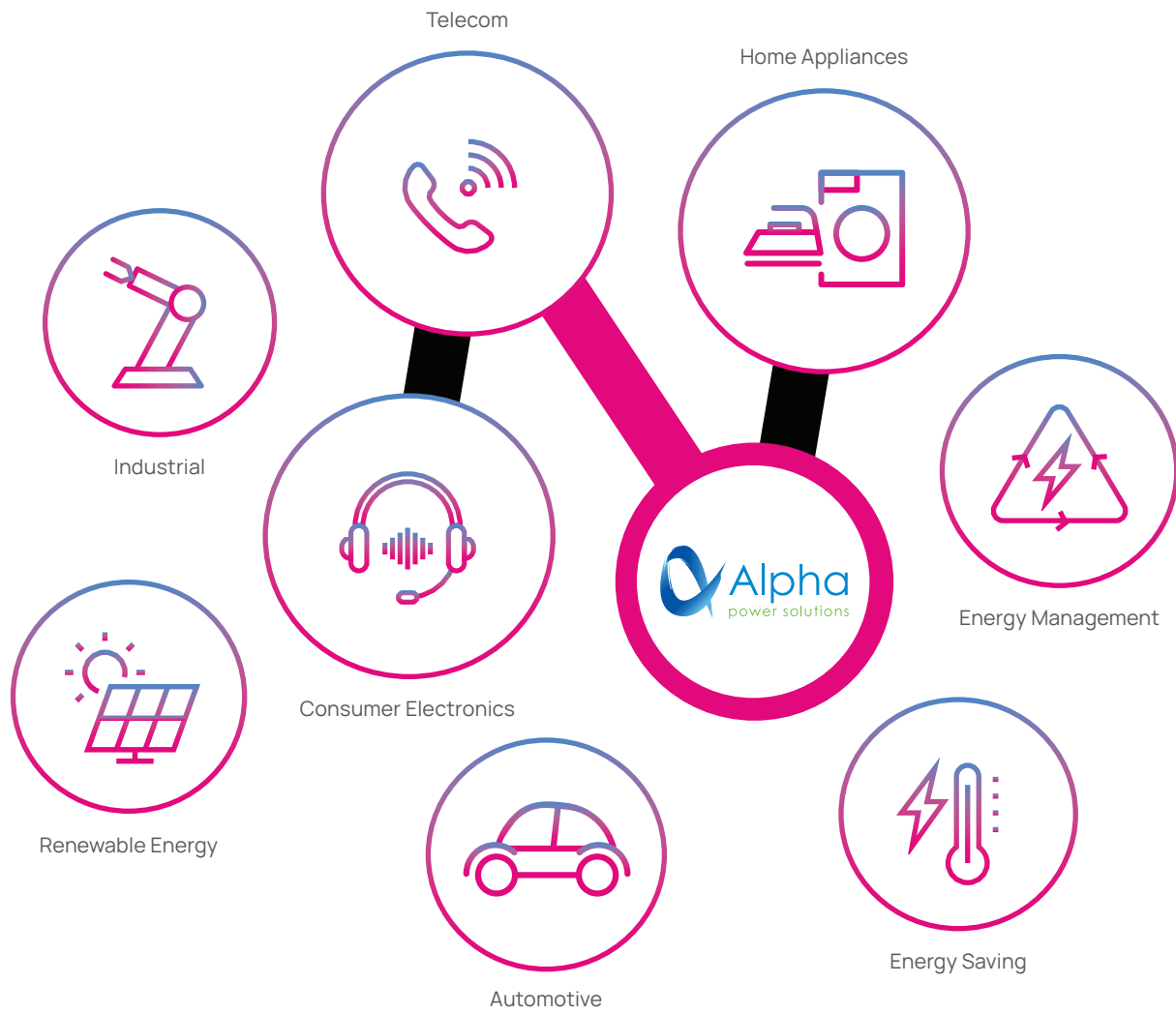


### SiC Modules

- Rdson 5m $\Omega$  to 13m $\Omega$
- Full Silicon Carbide SiC Module in 1200V 120A-300A
- Support High Frequency Operation
- Built-in SiC diode with zero reverse recover current and Temperature independent Switching Behavior
- Best fits for Motor & Traction Drives, Solar & Wind Inverters & Uninterruptable Power Supplies Applications



# APPLICATION AREA



# CUSTOMERS

