



SIHK050N65E - GEN 4.5 650 V

SUPERJUNCTION MOSFET IN PowerPAK® 10 X 12

UP TO 6 kW
POWER SUPPLY SOLUTIONS

LATEST GEN 4.5 650 V
SUPERJUNCTION TECHNOLOGY

Industry's **lowest** $R_{DS(on)} * Q_g$ FOM

Boosts system **efficiency**

Enables **higher power rating**
and power density

High I_D **current capability**

APPLICATIONS



TELECOM



UPS



SERVERS
DATACENTERS

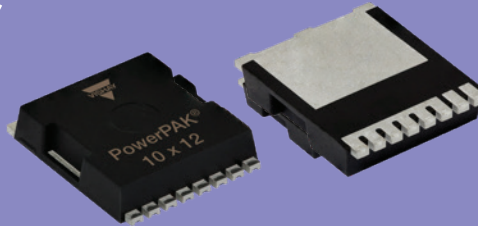


GAMING,
COMPUTERS



SOLAR
INVERTERS

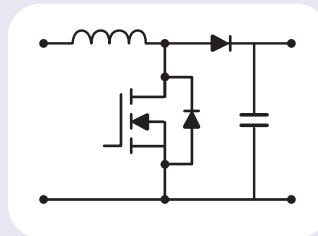
HIGH POWER + HIGH EFFICIENCY



PowerPAK® 10 x 12

+ HIGH POWER DENSITY

Our **Gen 4.5 650 V superjunction MOSFETs** in the PowerPAK® 10 x 12 package enable higher PFC bus voltages and lower Q_g and E_{oss} to boost efficiency in power systems.



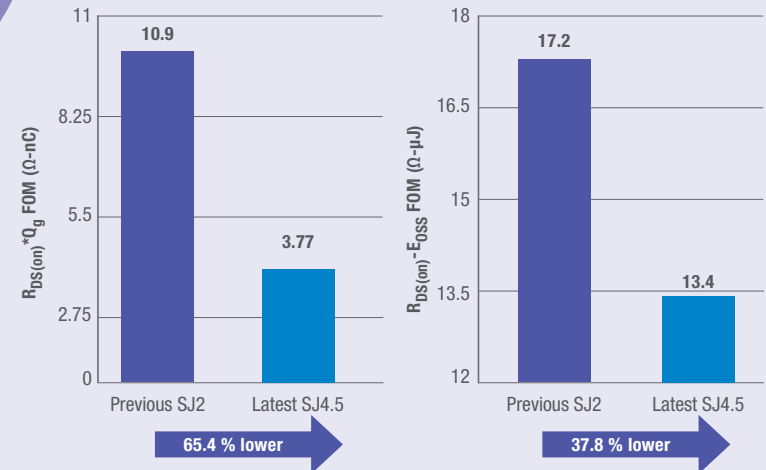
GREAT THERMAL CAPABILITY OF PowerPAK® 10 X 12 PACKAGE

Low profile and **compact** dimensions:
9.9 mm x 11.7 mm x 2.3 mm

T0 **leadless** package

Integrated **Kelvin source** connection

650 V E SERIES SJ MOSFET



**BOTH LOWER Q_g AND E_{oss}
BOOST POWER SYSTEM EFFICIENCY**