



# Gen 4.5 650 V Superjunction MOSFETs in TO-247 4L Package Up to 10 kW+ Power Supply Solutions

## BENEFITS OF TO-247 4L PACKAGE

- Integrated Kelvin source connection
- Gate noise free
- Low parasitic inductance
- Fast switching with noise immunity
- Reduced switching losses and efficiency enhancement

## LATEST GEN 4.5 650 V SUPERJUNCTION TECHNOLOGY

- Industry's lowest  $R_{DS(on)} * Q_g$  FOM
- Improved system efficiency
- Enables higher power rating and power density



## 650 V E SERIES SJ MOSFET



Both lower  $Q_g$  and  $E_{oss}$  boost power system efficiency

Our Gen 4.5 650 V superjunction MOSFETs in the TO-247 4L package enable higher PFC bus voltages and lower  $Q_g$  and  $E_{oss}$  to boost efficiency in power systems.

## APPLICATIONS



Part Number	$V_{DS}$	$V_{GS}$	$R_{DS(on)}$ (Ω) Max.	$Q_g$ (nC) Typ.	$I_D$ (A)
	(V)	(V)	$V_{GS} = 10\text{ V}$	$V_{GS} = 10\text{ V}$	$T_C = 25\text{ °C}$
<a href="#">SiHL026N65E</a>	650	± 30	0.026	157	88
<a href="#">SiHL040N65E</a>	650	± 30	0.040	92	65

