

## Product Overview

### PCFG50T65SQF: 650V 50A FS4 IGBT Wafer Sales

For complete documentation, see the data sheet.

Using novel field stop IGBT technology, ON semiconductor's new series of field stop 4th generation IGBTs offer the optimum performance for solar inverter and UPS applications where low conduction and switching losses are essential.

### Features

- Extremely Efficient Trench with Field Stop Technology
- $T_{Jmax} = 175^{\circ}C$
- Optimized for High Speed Switching

### Applications

- Solar Inverters
- UPS Systems

### Part Electrical Specifications

Product	Compliance	Status	$V_{ES}^{(BR)/C}$ Typ (V)	$I_C$ Max (A)	$V_{CE(sat)}$ Typ (V)	$V_F$ Typ (V)	$E_{off}$ Typ (mJ)	$E_{on}$ Typ (mJ)	$T_{rr}$ Typ (ns)	$I_r$ Typ (A)	Gate Charge Typ (nC)	Short Circuit Withstand ( $\mu$ s)	$E_{AS}$ Typ (mJ)	$P_D$ Max (W)	Co- Pack aged Diode	Pack age Type
PCFG50T65SQF	Pb-free Halide free	Active		50A	1.6V						99nC					

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

Created on: 4/22/2019