

ABB CONVERTER POWER STAGES

Product Data Sheet

FF1000R17IE4-S2

IGBT power module

FUNCTION IGBT power module	FAMILY ABB converter power stages	ORIGIN Germany	WEIGHT 1.25 kg
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ABB FF1000R17IE4-S2 is a IGBT power module for the ABB converter power stages. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Collector-emitter Voltage	1700 V
Nominal Collector Current	1000 A
Repetitive Peak Current	2000 A
Total Power Dissipation	6.25 kW
Gate-emitter Voltage	±20 V
Gate Charge	10 µC
Internal Gate Resistance	1.5 Ω
Input Capacitance	81 nF
Isolation Test Voltage	4 kV
Tracking Index	CTI greater than 400

- Wind converter power stages: Power Conversion Systems
- High-power mill drives: Drive Power Systems
- Propulsion converter cabinets: Propulsion Drive Systems

Match FF1000R17IE4-S2 to the installed ABB converter power stages, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[ABB official manufacturer documentation](#)