

Product Brief

34 mm & 62 mm IGBT modules

Well-known product family for successful inverter designs

Flexibility, optimal electrical performance, highest reliability. These are the keywords for a successful inverter layout. Our well-known 34 and 62 mm modules are the right choice for your design. We present our product family of half bridges and single switches with state-of-the-art IGBT4 chip technology at 650 V/ 1200 V/ 1700 V.

The 62 mm product line offers the current range from 300 A to 400 A at 650 V, i.e.:

- > 62 mm modules in half-bridge configuration up to 400 A/650 V (E4 chips)

The 34 and 62 mm product lines offer the complete current range from 50 A up to 900 A at 1200 V, i.e.:

- > 34 mm modules in half-bridge and chopper configuration up to 150 A/1200 V (T4 chips)
- > 62 mm modules in half-bridge configuration up to 600 A/1200 V (T4/E4 chips)
- > 62 mm single switches up to 900 A/1200 V (E4/P4 chips)
- > 62 mm common emitter offers 3-level solution up to 600 A/1200 V

The 62 mm product line offers the current range from 150 A up to 600 A additionally at 1700 V, i.e.:

- > 62 mm modules in half-bridge configuration up to 500 A/1700 V (E4 chips)
- > 62 mm single switches up to 600 A/1700 V (E4 chips)

Benefit for customers: The well-known 34 and 62 mm module family with its enlarged product portfolio offers customers more flexibility and the utmost reliability, and helps them implement efficient modern inverter concepts for all kinds of applications.

Key features

- > Superior solution for frequency-controlled inverter drives
- > UL certification to UL1557 E83335
- > Operating temperature up to 150 °C
- > Optimized switching characteristic
- > Reduced switching losses
- > Existing packages with high current capability
- > RoHS compliant

Applications

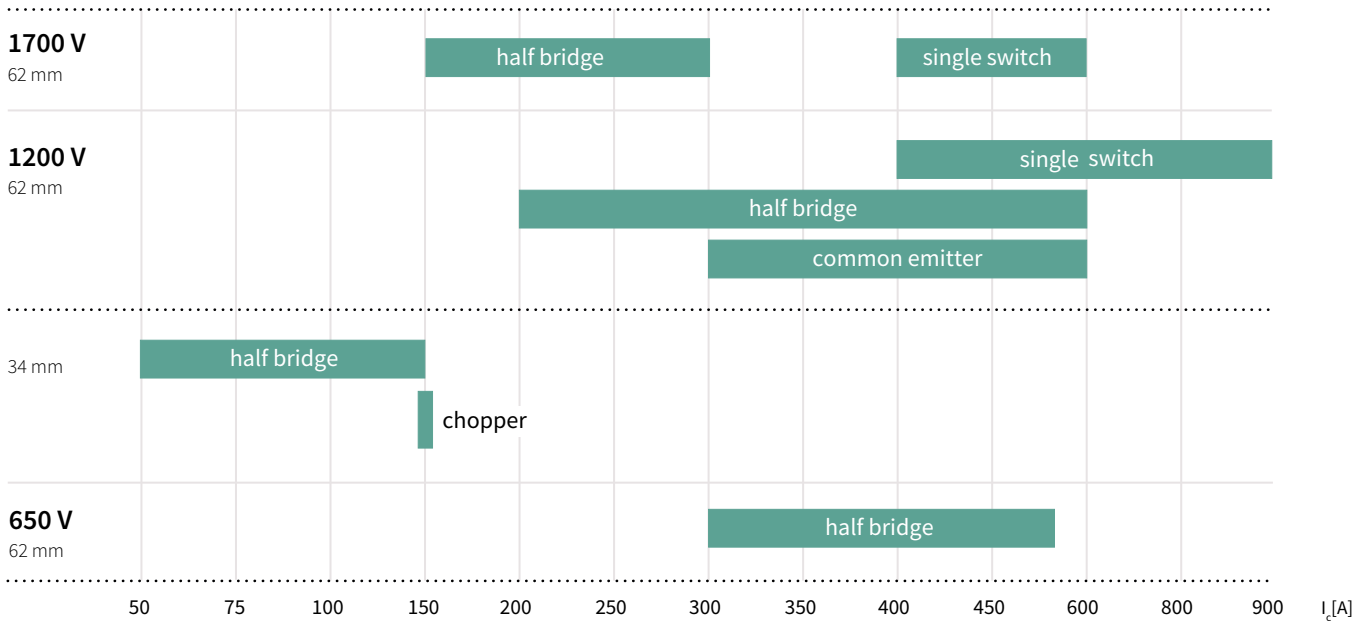
- > Variable speed drives
- > Stand-alone drives
- > Active front end
- > Welding
- > Inductive heating
- > Uninterruptible power supplies
- > Resonant converters
- > Central solar inverter
- > Solar



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Product overview IGBT4

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Infinion shortcut	Description	Circuit
FF	dual	
FZ	single switch	

Infinion shortcut	Description	Circuit
FD; DF	chopper	

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