

1.03

6th Generation IGBT Modules (NX-Series)



1

Applications

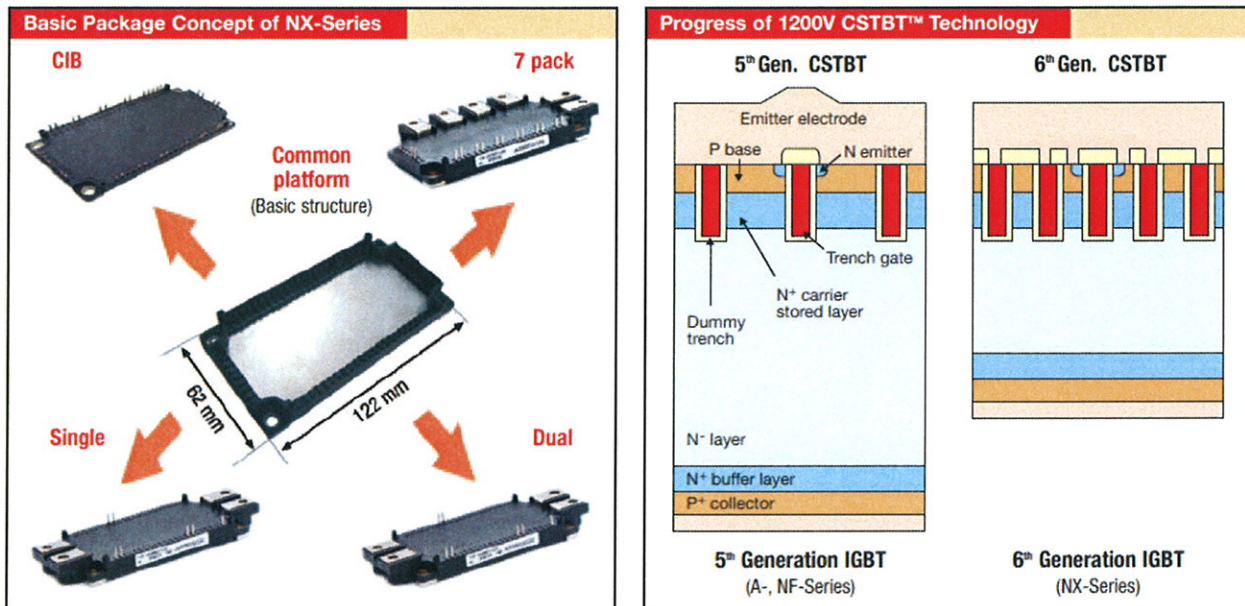
- General Purpose Drives
- Photovoltaic Inverters
- UPS

Features

- 6th Generation IGBT with CSTBT™ Chip Technology
- For 1200V modules: $V_{CE(sat)} = 1.7V(\text{typ}) @ T_j = 125^\circ\text{C}$; wide SOA @ $V_{CC} = 900V$
- For 1700V modules: $V_{CE(sat)} = 2.2V(\text{typ}) @ T_j = 125^\circ\text{C}$; wide SOA @ $V_{CC} = 1200V$
- More than $10\mu\text{s}$ short circuit capability and excellent paralleling characteristics
- 6th Generation Free Wheel Diode Chip with positive temperature coefficient and optimised trade-off between V_F and $E_{sw(\text{rec})}$
- $T_{j(\text{max})} = 175^\circ\text{C}$
- High flexibility by using one common platform design for single, dual, six- and seven-packs and CIB (converter-inverter-brake)
- Variety of pin terminals and different sizes of screw terminals
- Solderless contacts on demand
- Comprehensive line-up in 600V, 1200V, 1700V
- UL certification
- Entirely RoHS compliant



1.03 6th Generation IGBT Modules (NX-Series)



Line-up 6th Generation NX-Series (1200V)*

Current	Package				
	NX-M				NX-L
	CIB	7in1	6in1	2in1	2in1
35	CM35MXA-24S				
50	CM50MXA-24S				
75	CM75MXA-24S	CM75RX-24S	CM75TX-24S		
100	CM100MXA-24S	CM100RX-24S	CM100TX-24S		
150		CM150RX-24S	CM150TX-24S		
200				CM200DX-24S	
300				CM300DX-24S	
450				CM450DX-24S	
600					CM600DXL-24S
1000					CM1000DXL-24S

Line-up 6th Generation NX-Series (1700V)*

Current	Package				
	NX-M				NX-L
	CIB	7in1	6in1	2in1	2in1
50		CM50RX-34S	CM50TX-34S		
75		CM75RX-34S	CM75TX-34S		
100			CM100TX-34S		
150				CM150DX-34S	
200				CM200DX-34S	
300				CM300DX-34S	
400					CM400DXL-34S
600					CM600DXL-34S

*under development

1