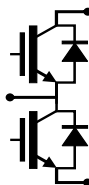
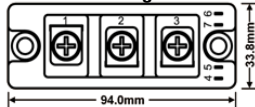
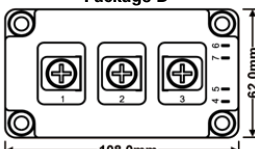
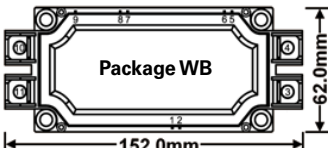
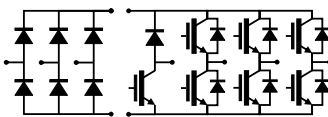
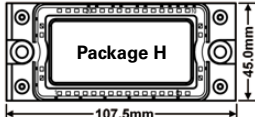


# POWER SEMICONDUCTORS

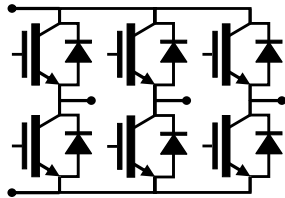
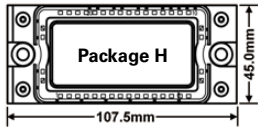
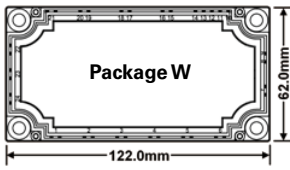
## IGBT and Rectifier Diode Modules Selection Guide

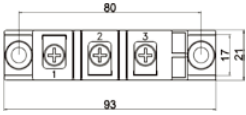
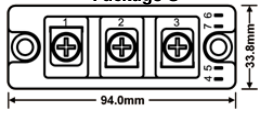
| CIRCUIT TYPE                                                                                             | PACKAGE TYPE                                                                                                                     | COLLECTOR<br>EMITTER<br>VOLTAGE (V) | RATING (A) |     |     |     |     |     |
|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------|-----|-----|-----|-----|-----|
| IGBT MODULE                                                                                              |                                                                                                                                  |                                     |            |     |     |     |     |     |
| <div>Half-bridge</div>  | <div>Package S</div>  <div>94x33.8x30.5mm</div> | 600                                 |            |     | 100 |     | 150 | 200 |
|                                                                                                          |                                                                                                                                  | 1200                                | 50         | 75  | 100 | 105 | 150 |     |
|                                                                                                          |                                                                                                                                  | 1700                                | 50         | 75  | 100 |     |     |     |
|                                                                                                          | <div>Package D</div>  <div>108x62x30.5mm</div>  | 600                                 |            |     |     |     | 300 | 400 |
|                                                                                                          |                                                                                                                                  | 1200                                | 100        | 150 | 200 |     | 300 | 400 |
|                                                                                                          |                                                                                                                                  | 1700                                | 100        | 150 | 200 |     | 300 |     |
|                                                                                                          | <div>Package WB</div>  <div>152x62x17mm</div>  | 600                                 |            |     |     |     | 600 |     |
|                                                                                                          |                                                                                                                                  | 1200                                | 225        | 300 |     |     | 450 |     |
|                                                                                                          |                                                                                                                                  | 1700                                | 225        | 300 |     |     | 450 |     |

| CIRCUIT TYPE                                                                                                                                          | PACKAGE TYPE                                                                                                            | COLLECTOR<br>EMITTER<br>VOLTAGE (V) | RATING (A) |    |    |    |    |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------|----|----|----|----|--|
| IGBT MODULE                                                                                                                                           |                                                                                                                         |                                     |            |    |    |    |    |  |
| <div>3-phase Converter Brake<br/>Inverter Module</div> <div></div> | <div></div> <div>107.5x45x17mm</div> | 1200                                | 15         | 25 | 40 |    |    |  |
|                                                                                                                                                       | <div></div> <div>122x62x17mm</div>   |                                     |            |    |    | 50 | 75 |  |

# POWER SEMICONDUCTORS

## IGBT and Rectifier Diode Modules Selection Guide

| CIRCUIT TYPE                                                                                                          | PACKAGE TYPE                                                                                       | COLLECTOR<br>EMITTER<br>VOLTAGE (V) | RATING (A) |    |    |    |     |     |
|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------|------------|----|----|----|-----|-----|
| IGBT MODULE                                                                                                           |                                                                                                    |                                     |            |    |    |    |     |     |
| 3-phase Inverter Module (6 Pack)<br> | <br>107.5x45x17mm | 1200                                | 25         | 50 | 75 |    |     |     |
|                                                                                                                       | <br>122x62x17mm   |                                     |            |    |    | 75 | 100 | 150 |

| CIRCUIT TYPE                                                                                                                                                                                                           | PACKAGE TYPE                                                                                                                       | COLLECTOR<br>EMITTER<br>VOLTAGE (V) | RATING (A) |     |     |     |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------|-----|-----|-----|--|
| RECTIFIER DIODE MODULE                                                                                                                                                                                                 |                                                                                                                                    |                                     |            |     |     |     |  |
| <div>Phase Leg</div>  <div>Common Cathode</div>  | <div>Package A</div>  <div>93x21x30.4mm</div>   | 1600                                | 90         | 110 |     |     |  |
|                                                                                                                                                                                                                        |                                                                                                                                    | 1800                                | 90         | 110 |     |     |  |
|                                                                                                                                                                                                                        | <div>Package S</div>  <div>94x33.8x30.5mm</div> | 1600                                | 130        | 160 | 180 | 200 |  |
|                                                                                                                                                                                                                        |                                                                                                                                    | 1800                                | 130        | 160 | 180 | 200 |  |