Drone Solutions

inergy's power discrete products meet high standards for reliability, energy efficiency, low on-resistance, high current capability, and thermal resistance. They offer a comprehensive optimization solution for drones, from battery management to motor drive. inergy is committed to developing high-performance power discrete technology to address future drone challenges: achieving systems that are "Compact, Lighter, and Higher Power."

EnerSiC[™]: Featuring fast switching speeds, low forward voltage drop, and excellent high-temperature stability the EnerSiC is specifically designed for high-power and high-voltage applications. It maintains highly efficient operation even in harsh environments.

EnerMOS™: The EnerMOS boasts industry-leading ultra-low on-resistance (Rds(on)) and superior switching characteristics, significantly enhancing system efficiency and reliability.









| iMN1R5N08GH | Single N | 80 V | 1.9 mohm | 200 A | PDFN5x6 |
|-------------|----------|------|-----------|-------|---------|
| iMN2R0N08G | Single N | 80 V | 2.6 mohm | 100 A | PDFN5x6 |
| iMN009N06G | Single N | 60 V | 1.05 mohm | 320 A | PDFN5x6 |
| iM1829 | Single N | 60 V | 2.5 mohm | 160 A | PDFN5x6 |
| iMN007N08T | Single N | 80 V | 0.9 mohm | 500 A | TOLL |
| iM7203 | Single N | 80 V | 1.68 mohm | 306 A | TOLL |

| iMN006N06T | Single N | 60 V | 0.83 mohm | 300 A | TOLL |
|--------------------|----------|------|-----------|-------|------|
| A Battery Balancer | | N. | | | |

| iM18113 | Single N | 100 V | 10 mohm | 51 A | DFN3.3x3.3 |
|---------|----------|-------|-----------|------|-------------|
| iM18127 | Single N | 100 V | 18 mohm | 24 A | DFN3.3x3.3 |
| iM18115 | Single N | 80 V | 11.3 mohm | 44 A | PDFN3.3x3.3 |

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|-------------|--|---|--|--|--|
| BMS | | | | | |
| iM7L01 | Single N | 100 V | 1.43 mohm | 250 A | TOLT |
| iM7LQ3 | Single N | 80 V | 0.95 mohm | 300 A | TOLT |
| iMN035N15T | Single N | 150 V | 3.8 mohm | 203 A | TOLL |
| . iM7117 | Single N | 150 V | 5.1 mohm | 148 A | TOLL |
| iM7121 | Single N | 120 V | 3.4 mohm | 175 A | TOLL |
| iMN009N10T | Single N | 100 V | 1.25 mohm | 300 A | TOLL |
| iMN01N10T | Single N | 100 V | 1.4 mohm | 300 A | TOLL |
| iMN016N10CT | Single N | 100 V | 1.6 mohm | 324 A | TOLL |
| iM7127 | Single N | 100 V | 3.6 mohm | 120 A | TOLL |
| iMN007N08T | Single N | 80 V | 0.9 mohm | 500 A | TOLL |
| | iM7L01 iM7L03 iMN035N15T iM7117 iM7121 iMN009N10T iMN01N10T iMN016N10CT iM7127 | iM7L01 Single N iM7L03 Single N iMN035N15T Single N iM7117 Single N iM7121 Single N iMN009N10T Single N iMN01N10T Single N iMN016N10CT Single N iM7127 Single N | James IM7L01 Single N 100 V iM7L03 Single N 80 V iMN035N15T Single N 150 V iM7117 Single N 150 V iM7121 Single N 120 V iMN009N10T Single N 100 V iMN01N10T Single N 100 V iMN016N10CT Single N 100 V iM7127 Single N 100 V | IM7L01 Single N 100 V 1.43 mohm iM7L03 Single N 80 V 0.95 mohm iMN035N15T Single N 150 V 3.8 mohm iM7117 Single N 150 V 5.1 mohm iM7121 Single N 120 V 3.4 mohm iMN009N10T Single N 100 V 1.25 mohm iMN01N10T Single N 100 V 1.4 mohm iMN016N10CT Single N 100 V 1.6 mohm iM7127 Single N 100 V 3.6 mohm | IM7L01 Single N 100 V 1.43 mohm 250 A iM7L03 Single N 80 V 0.95 mohm 300 A iMN035N15T Single N 150 V 3.8 mohm 203 A iM7117 Single N 150 V 5.1 mohm 148 A iM7121 Single N 120 V 3.4 mohm 175 A iMN009N10T Single N 100 V 1.25 mohm 300 A iMN01N10T Single N 100 V 1.4 mohm 300 A iMN016N10CT Single N 100 V 1.6 mohm 324 A iM7127 Single N 100 V 3.6 mohm 120 A |

| ₩ Charge | r (AC/DC) | | | | |
|------------|-----------|-------|----------|-------|----------|
| iMN09N20CT | Single N | 200 V | 9.5 mohm | 102 A | TOLL |
| iMN08N20C | Single N | 200 V | 8.3 mohm | 107 A | TO220-3L |
| iM18141 | Single N | 150 V | 9.7 mohm | 60 A | PDFN5x6 |
| iS065C10CE | SiC Diode | 650 V | 10 A | TO220 |)-2L |
| iS065C08CE | SiC Diode | 650 V | 8 A | TO220 | -2L |
| iS065C06CE | SiC Diode | 650 V | 6 A | TO220 | -2L |