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.



Motor Drive

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

Battery Balancer

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

BMS

iM7L01	Single N	100 V	1.43 mohm	250 A	TOLT
iM7L03	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

Charger (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	