

MOSFET Applications

Battery Management System (BMS) and Battery Power Solutions

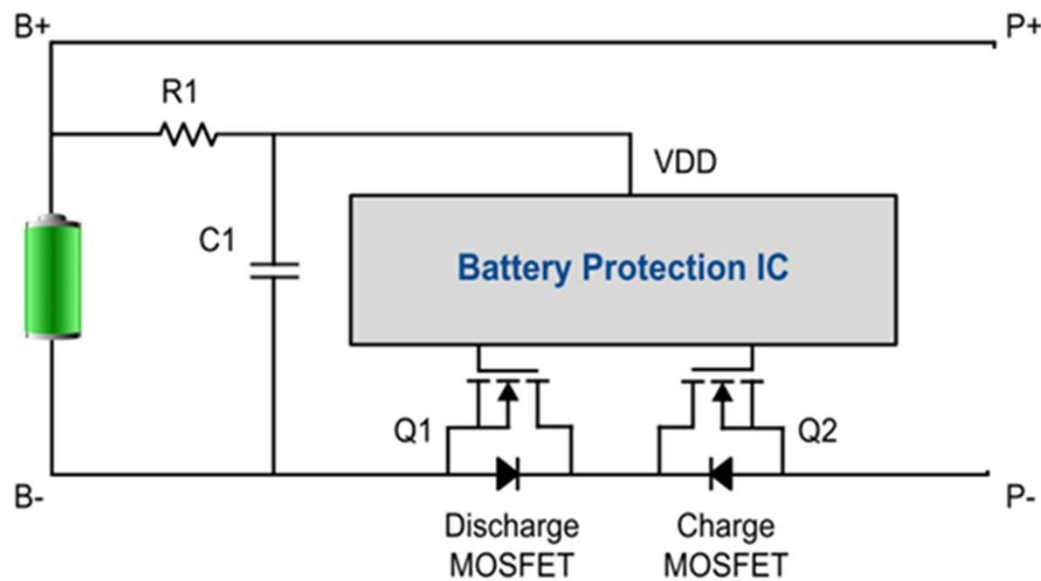
Product suggestion/ Applications	Consumer	Power Tools	Light Electric Vehicles
Supply voltage	12~48V	12~56V	24~144V
MOSFETs	MOSFETs 20V~200V		MOSFETs 60V~900V
	Super-Junction MOSFETs 600V~800V		
Package Types	SO-08 DFN3x3 TO-252 TO-220 TO-263 PPAK 5x6 TOLL		TO-220 TO-220F TO-247 DFN8*8 TOLL

Key features and benefits

- Higher performance with lower $R_{ds(on)}$.
- Wider safe operating area (SOA)
- Cheaper solutions with more compact bill of material and more effective parallelization solutions
- Short circuit protection with higher peak current rates
- Turn-on and turn-off solutions tailored to applications needs

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Voltage(V)	Package	PN#	$R_{ds(ON)}(m\Omega)$ $V_{gs}@10V$	$Q_g(nC)$
40	PR PACK5X6	CEZ09C4H	1.05	70
	TO-263	CEB14A04A	2.6	139
		CEB25A04	2.3	235
60	TO-220	CEP6024L	2.9	30
	PR PACK5X6	CEZ6R26L	2.2	39
		CEZ025R06L	2.5	24
		CEZ18C6	1.85	27
65	TO-220	CEP6016	2	97
	PR PACK5X6	CEP6026AL	3.3	35
		CEZ11C6	1.35	97
80	TO-263	CEB170N08	2.7	119
100	TO-220	CEP260N10S	2.4	155
		CEP170N10S	3.7	88
		CEP190N10A	3.7	105
	TO-263	CEB260N10S	2.4	155
	TOLL	CEL45100	1.2	140