

300V Power MOSFETs Improve System Efficiency in Industrial Applications



International Rectifier announced the introduction of a family of 300V devices featuring IR’s latest power MOSFET silicon that deliver benchmark on-state resistance ($R_{ds(on)}$) for a wide range of high efficiency industrial applications such 110-120 VAC line conditioners and 110-120 VAC power supplies, and DC to AC inverters including solar inverters and Uninterruptible Power Supplies (UPS).

The new portfolio of power MOSFETs offers ultra-low $R_{ds(on)}$ to improve system efficiency and may allow designers to reduce part count where multiple MOSFETs are used in parallel.

The new devices are qualified to industrial grade and moisture sensitivity level 1 (MSL1), are offered lead free and are RoHS compliant.

Specifications

Part #	$R_{ds(on)}$ Max @ 10Vgs (mOhm)	Qg Typ (nC)	Id	Package
IRFB4137PBF	69	83	40	TO-220
IRFP4137PBF	69	83	40	TO-247
IRFP4868PBF	32	180	70	TO-247

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Datasheets and a MOSFET product selection tool are available on the International Rectifier website at <http://www.irf.com> [1].

Availability and pricing

Pricing for the IRFP4137PBF starts at \$1.64 each in 10,000-unit quantities. Production orders are available immediately. Prices are subject to change.

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Links:

[1] <http://www.irf.com>