

Features

- Floating channel designed for bootstrap operation
- Fully operational to +600 V
- Tolerant to negative transient voltage, dV/dt immune
- Low VCC operation
- Gate drive supply range from 6.8 V to 20 V
- Undervoltage lockout for both channels
- 3.3V and 5V input logic compatible
- Matched propagation delay for both channels
- Logic and power ground +/- 5 V offset
- Lower di/dt gate driver for better noise immunity
- Output source/sink current capability 4.0 A (Typ.)
- Leadfree, RoHS compliant

Applications

- Battery powered equipment
- Hand-tools
- Fork-lifts
- Golf-carts
- RC Hobby Equipment
- E-bike

Product Summary

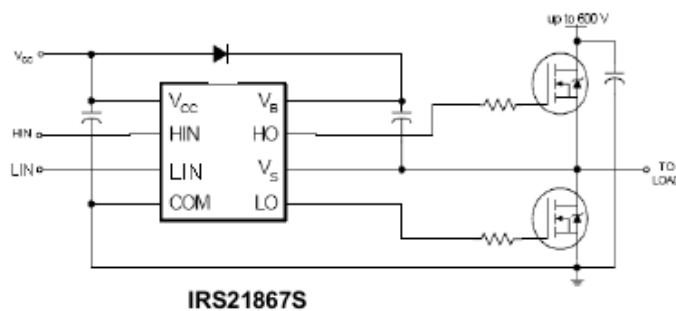
Topology	Single-Phase
V_{OFFSET}	$\leq 600 \text{ V}$
V_{OUT}	6.8 V – 20 V
$I_{\text{O+}}$ & $I_{\text{O-}}$ (typical)	4.0 A & 4.0 A
t_{on} & t_{off} (typical)	170 ns & 170 ns

Package Options



SOIC-8

Typical Connection Diagram



Refer to Lead Assignment for correct pin Configuration. This diagrams show electrical Connections only. Please refer to our Application Notes and Design Tips for proper circuit board layout

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