

Features

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

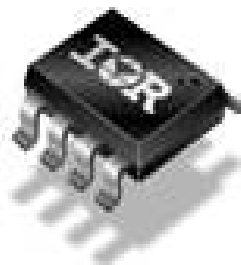
Applications

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

Product Summary

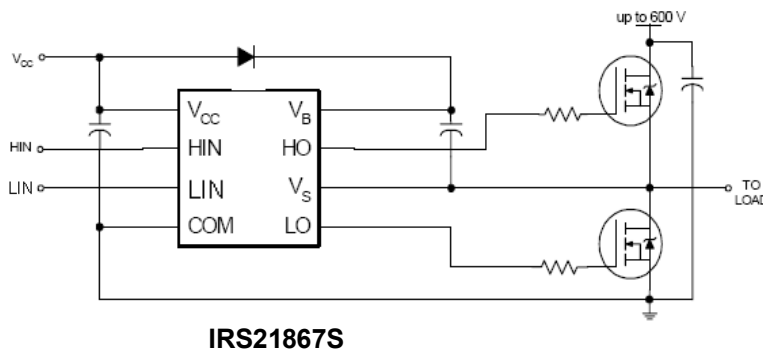
Topology	Single-Phase
V_{OFFSET}	$\leq 600\text{V}$
V_{OUT}	10V – 20V
$I_{\text{O+}}$ & $I_{\text{O-}}$ (typical)	4.0A & 4.0A
t_{on} & t_{off} (typical)	170ns & 170ns

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