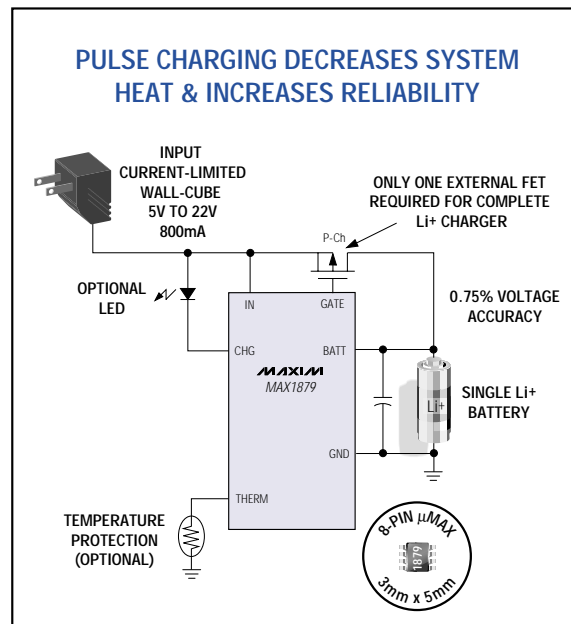


# SMALLEST Li+ CHARGER PROVIDES SAFEST CHARGING ALGORITHM

Safe, Simple, and Inexpensive Pulse Charger Dissipates No Heat

Safety Features Include:

- ◆ Continuous Over & Under-Voltage Protection
- ◆  $\pm 0.75\%$  Charge Voltage Tolerance
- ◆ 6.25-Hour Charging Time-Out to Prevent Infinite Trickle-Charge
- ◆ Safely Pre-Charges Near-Dead Cell
- ◆ Over & Under Temperature Protection
- ◆ Automatic Charging Restart at 4V
- ◆ Evaluation Kit Available to Speed Designs



The MAX1879 is an upgrade to the popular MAX1679, incorporating more safety features, such as a built-in 6.25hr timer to prevent infinite trickle-charging. The MAX1879 and an external PMOS FET make a complete stand-alone charger for a single-cell lithium-ion battery. An inexpensive, current-limited wall cube sets the charging current. The external FET switch is pulsed either on or off, so that unlike a linear regulator, it dissipates virtually no power and minimizes heat.



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