


<b>Product</b>	D2610
<b>Product Info</b>	2A, 24V Input, 1.1MHz 1/2-Cell Switching Li-Ion Battery Charger
<b>Description</b>	<p>The D2610 is a monolithic switching charger for 1 or 2 cells Li-Ion battery packs with a built-in internal power MOSFET. It achieves up to 2A charge current with current mode control for fast loop response and easy compensation. The charge current can be programmed by sensing the current through an accurate sense resistor. D2610 regulates the charge current and charger voltage using two control loops to realize high accuracy CC charge and CV charge. Fault condition protection includes cycle-by-cycle current limiting and thermal shutdown. Other safety features include battery temperature monitoring, charge status indication, and programmable timer to cease the charging cycle.</p> <p>The D2610 requires a minimum number of readily available standard external components.</p> <p>The D2610 is available in 4mm×4mm 16-pin QFN package.</p>
<b>Features</b>	<ul style="list-style-type: none"> <li>● Charges 1/2 - cell Li-Ion battery packs</li> <li>● Wide 5V to 24V Operating Input Range</li> <li>● Up to 2A Programmable Charging Current</li> <li>● ±0.75% VBATT Accuracy</li> <li>● 0.2Ω Internal Power MOSFET Switch</li> <li>● Up to 90% Efficiency</li> <li>● Fixed 1.1MHz Frequency</li> <li>● Preconditioning for Fully Depleted Batteries</li> <li>● Charging Operation Indicator</li> <li>● Input Supply and Battery Fault Indicator</li> <li>● Thermal Shutdown</li> <li>● Cycle-by-Cycle Over Current Protection</li> <li>● Battery Temperature Monitor and Protection</li> </ul>
<b>Applications</b>	<ul style="list-style-type: none"> <li>● Distributed Power Systems</li> <li>● Chargers for 1-Cell or 2-Cell Li-Ion Batteries</li> <li>● Smart Phones</li> <li>● Portable DVD Player</li> </ul>

<p><b>Typical Application</b></p>	
<p><b>IOUT (Max)</b></p>	<p>2 A</p>
<p><b>VIN Range</b></p>	<p>5 to 24 V</p>
<p><b>YOUT</b></p>	<p>4.2 or 8.4</p>
<p><b>Feed back Vol tage</b></p>	
<p><b>Switch Frequency</b></p>	<p>1100 kHz</p>
<p><b>Adjustable Output</b></p>	
<p><b>Package</b></p>	<p>QFN-16</p>
<p><b>Datasheet Download</b></p>	<p> <a href="#">Click here to download datasheet</a></p>
<p><b>Buy</b></p>	<p>Contact customer service</p>