Recommended Power Solutions for TMS320C5509A/07/03

Scot Lester *PMP Portable Power*

ABSTRACT

This application report provides a table to assist users in selecting the best power solution for their specific TMS320C5509A/07/03 application.

Table 1. Selection Table

Source	1x NiCd	1x NiMH	3x Solar cell	1x Alk	4x Solar cell	SLA	2x NiCd	2x NiMH	Li-poly	2x Alk	DC 3.3	3x NiCd	3x NiMH	Li-ion	3x Alk	DC 5.0
Source Voltage	**1.2**	**1.2**	**1.35**	**1.5**	**1.8**	**2**	**2.4**	**2.4**	**2.7**	**3**	**3.3**	**3.6**	**3.6**	**3.6**	**4.5**	**5**
Wide Input Voltage Range Power Solution																
Low Input Voltage Range Power Solution for Single Cell Aplications																
Mid-Range Input Voltage Power Solution for Dual Cell Applications																
Switching Regulator Boased Power Solution for High Efficiency																
Switching Regulator Based 3.3-V Power Solution for Power and Size Efficiency																
Low Noise 3.3-V Power Solution																
Dual Linear Regulator Power Solution for Small Low Noise Applications																
Switching Regulator Based Power Solution for Power and Size Efficiency																
Linear and Switching Regulator Based Power Solution for Size Efficiency																

For more information on power design for TI DSPs, see ww.ti.com/dsppower.

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Mailing Address: Texas Instruments
Post Office Box 655303 Dallas, Texas 75265