



## Power Management Quick Reference Selection Guide

anyCAP™ Low Dropout Linear Regulators									
Generic Part #	V <sub>IN</sub> Range	V <sub>OUT</sub> Options	Output Current	No Load I <sub>Q</sub> (typ)	V <sub>DROPOUT</sub> @ I <sub>OUT</sub>	Total Accuracy*	Package		
<a href="#">ADP3300</a>	3 V-12 V	2.7 V, 3 V, 3.2 V, 3.3 V, 5 V	50 mA	190 µA	80 mV	±1.4%	SOT23-6		
<a href="#">ADP3301</a>	3 V-12 V	2.7 V, 3 V, 3.2 V, 3.3 V, 5 V	100 mA	180 µA	100 mV	±1.4%	SO-8		
<a href="#">ADP3302</a>	3 V-12 V	3 Vx2, 3.2 Vx2, 3.3 Vx2, 3.3 V/5 V, 5 Vx2	2x100 mA	400 µA	120 mV	±1.4%	SO-8		
<a href="#">ADP3303</a>	3.2 V-12 V	2.7 V, 3 V, 3.2 V, 3.3 V, 5 V	200 mA	250 µA	180 mV	±1.4%	SO-8		
<a href="#">ADP3303A</a>	3.2 V-12 V	Adjustable: 2.2 V - 10 V	200 mA	350 µA	150 mV	±1.4%	TSSOP-14		
<a href="#">ADP3307</a>	3 V-12 V	2.7 V, 3 V, 3.2 V, 3.3 V	100 mA	190 µA	130 mV	±1.4%	SOT23-6		
<a href="#">ADP3308</a>	3 V-12 V	2.7 V, 2.85 V, 2.9 V, 3 V, 3.3 V, 3.6 V	50 mA	190 µA	80 mV	±2.2%	SOT23-5		
<a href="#">ADP3309</a>	3 V-12 V	2.7 V, 2.85 V, 2.9 V, 3 V, 3.3 V, 3.6 V	100 mA	190 µA	120 mV	±2.2%	SOT23-5		
<a href="#">ADP3310</a>	2.5 V - 15 V	2.8 V, 3 V, 3.3 V, 5 V	Controller**	800 µA	Controller*	±1.5%	SO-8		
<a href="#">ADP3330</a>	2.9 V-12 V	2.5 V, 2.75 V, 2.85 V, 3 V, 3.3 V, 3.6 V, 5 V	200 mA	35 µA	140 mV	±1.4%	SOT23-6		
<a href="#">ADP3331</a>	2.9 V-12 V	Adjustable: 1.5 V - 10 V	200 mA***	35 µA	140 mV	±1.4%	SOT23-6		
Regulated/Unregulated Charge Pump Converters									
Generic Part #	V <sub>IN</sub> Range	V <sub>OUT</sub> Options	Inverter/Doubler	Regulated/Unregulated	Output Current	I <sub>Q</sub> (TYP)	Switching Frequency	Shutdown	Package
<a href="#">ADM660</a>	1.5 V - 7 V	-1.5 V to -7 V or 3 V - 14 V	Inverter/Doubler	Unregulated	100 mA	600 µA	25 kHz/120 kHz		SO-8, PDIP-8, TSSOP-16
<a href="#">ADM8828</a>	1.5 V - 5.5 V	-1.5 V to -7 V	Inverter	Unregulated	25 mA	600 µA	25 kHz/120 kHz	•	SOT23-6
<a href="#">ADM8829</a>	1.5 V - 5.5 V	-1.5 V to -7 V	Inverter	Unregulated	25 mA	600 µA	120 kHz		SOT23-6
<a href="#">ADM8660</a>	1.5 V - 7 V	-1.5 V to -7 V	Inverter	Unregulated	100 mA	600 µA	25 kHz/ 120 kHz	•	SO-8, PDIP-8
<a href="#">ADP3603</a>	4.5 V - 6 V	-3 V	Inverter	Regulated	50 mA	2.4 mA	120 kHz	•	SO-8
<a href="#">ADP3604</a>	4.5 V - 6 V	-3 V	Inverter	Regulated	120 mA	2.9 mA	120 kHz	•	SO-8
<a href="#">ADP3605</a>	3 V - 6 V	-3 V, Adj.	Inverter	Regulated	120 mA	2 mA	250 kHz	•	SO-8
<a href="#">ADP3607</a>	3 V - 6 V	5 V, Adj.	Doubler	Regulated	50 mA	2 mA	250 kHz	•	SO-8
<a href="#">ADP3610</a>	3 V - 3.6 V	>5.47 V	Doubler	Unregulated	320 mA	10 mA	500 kHz	•	TSSOP-16
General Purpose Switching Regulators & Controllers									
Generic Part #	Buck	Boost	V <sub>IN</sub> Range	V <sub>OUT</sub> Options	Switch Current‡	No Load I <sub>Q</sub> (TYP)	Switching Frequency	Package	
<a href="#">ADP1073</a>	•	•	1 V - 30 V	3.3 V, 5 V, 12 V, Adj.	100 mA	95 µA	19 kHz	PDIP-8, SO-8	
<a href="#">ADP1108</a>	•	•	2 V - 30 V	3.3 V, 5 V, 12 V, Adj.	150 mA	90 µA	19 kHz	PDIP-8, SO-8	
<a href="#">ADP1109</a>	•	•	2 V - 30 V	3.3 V, 5 V, 12 V, Adj.	100 mA	95 µA	70 kHz	PDIP-8, SO-8	
<a href="#">ADP1109A</a>	•	•	2 V - 30 V	3.3 V, 5 V, 12 V, Adj.	110 mA	95 µA	70 kHz	PDIP-8, SO-8	
<a href="#">ADP1110</a>	•	•	1.2 V - 30 V	3.3 V, 5 V, 12 V, Adj.	40 mA	300 µA	70 kHz	PDIP-8, SO-8	
<a href="#">ADP1111</a>	•	•	2 V - 30 V	3.3 V, 5 V, 12 V, Adj.	100 mA	110 µA	70 kHz	PDIP-8, SO-8	

<a href="#"><u>ADP1147</u></a>	•		3.5 V - 16 V	3.3 V, 5 V	External	160 $\mu$ A	50-250 kHz	PDIP-8, SO-8
<a href="#"><u>ADP1148</u></a>	•		3.5 V - 18 V	3.3 V, 5 V, Adj.	External	160 $\mu$ A	50-250 kHz	PDIP-14, SO-14
<a href="#"><u>ADP1173</u></a>	•	•	2 V - 30 V	3.3 V, 5 V, 12 V, Adj.	150 mA	110 $\mu$ A	24 kHz	PDIP-8, SO-8
<a href="#"><u>ADP3000</u></a>	•	•	2 V - 30 V	3.3 V, 5 V, 12 V, Adj.	150 mA	500 $\mu$ A	400 kHz	PDIP-8, SO-8
<b>PC Life Guard VRM Power Controllers</b>								
Generic Part #	VID Input		$V_{OUT}$ Options		VRM Compliance	Function		Package
<a href="#"><u>ADP3152</u></a>	•		1.8 V - 3.5 V		8.2	Synchronous Buck		SO-16
<a href="#"><u>ADP3153</u></a>	•		1.8 V - 3.5 V		8.2	Synchronous Buck with 1 Linear Controller		TSSOP-20
<a href="#"><u>ADP3154</u></a>	•		1.3 V - 3.5 V		8.2 / 8.3 / 8.4	Synchronous Buck with 1 Linear Controller		TSSOP-20
<a href="#"><u>ADP3155</u></a>	•		1.3 V - 3.5 V		8.2 / 8.3 / 8.4	Synchronous Buck with 2 Linear Controllers		TSSOP-20
<a href="#"><u>ADP3156</u></a>			1.5 V / 1.8 V / 2.5 V		N/A	Fixed Output Synchronous Buck		TSSOP-20
<a href="#"><u>ADP3157</u></a>	•		1.3 V - 3.5 V		8.2 / 8.3 / 8.4	Synchronous Buck		SO-16
<b>Linear/Switching Li-Ion Battery Chargers</b>								
Generic Part #	Switching/ Linear	# of Li-Ion Cells Charged	Cell Type		$V_{IN}$ Range	Accuracy Over Temp	No Load $I_Q$ (typ)	Package
<a href="#"><u>ADP3801</u></a>	S - 200 kHz	1 to 3	Li-Ion, Universal <sup>†</sup>		4.1 V - 20 V	$\pm$ 0.75%	5 mA	SO-16
<a href="#"><u>ADP3802</u></a>	S - 500 kHz	1 to 3	Li-Ion, Universal <sup>†</sup>		4.1 V - 20 V	$\pm$ 0.75%	5 mA	SO-16
<a href="#"><u>ADP3810</u></a>	L	1 to 4	Li-Ion		2.7 V - 16 V	$\pm$ 1%	1.5 mA	SO-8
<a href="#"><u>ADP3811</u></a>	L	Programmable	NiCad, NiMH		2.7 V - 16 V	$\pm$ 1.8%	1.5 mA	SO-8
<a href="#"><u>ADP3820</u></a>	L	1	Li-Ion		4.5 V - 15 V	$\pm$ 1%	800 $\mu$ A	SO-8, SOT23-6

\*Over line, load and temperature

<sup>†</sup>Requires a separate microcontroller

\*\*Value depends on choice of external MOSFET

<sup>‡</sup>3 V to 5 V boost configuration -- varies with application

\*\*\*Can also be used as a controller for higher currents

Please note: an HTML version of this Selection Guide is available at [http://www.analog.com/support/selection\\_tables/power.html](http://www.analog.com/support/selection_tables/power.html)