



# Power Supplies



## PMC Series

Delta's PMC Series offers a nominal output voltage of 12V and 24V, a wide temperature range from -10°C to 70°C, and a highly dependable minimum holdup time. The state-of-the-art design is made to withstand harsh industrial environments. The rugged, ultra-compact metal case is shock and vibration resistant according to IEC60068-2. Delta's panel mount power supplies offer a wide input voltage range design, they are usable worldwide. The output terminal types and locations are also thoughtfully designed for the fast wiring and easy installation of these power supplies. **Features:**

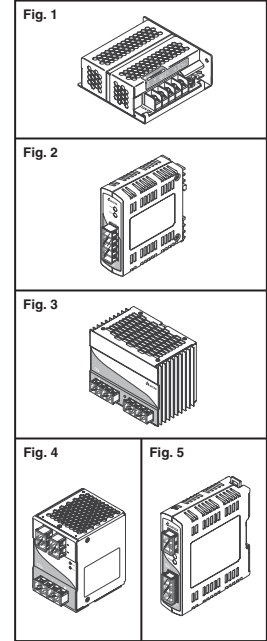
- Full aluminum casing for lightweight and corrosion resistant handling
- Universal AC input
- Overload protection
- Overvoltage protection
- Thermal protection
- Expected lifetime: 10 years

Fig.	Input Voltage (VAC)	Dimensions L x W x H (mm)	Output Voltage (VDC)	Output Current (A)	Digi-Key Part No.	Price Each			Delta Part No.
						1	10	25	
<b>Panel Mount</b>									
1	85 - 264	98mm x 97mm x 38mm	12	3.0	603-1238-ND	28.83	26.38	22.09	PMC-12V035W1AA
	85 - 264	128mm x 97mm x 38mm	12	4.17	603-1239-ND	30.57	27.98	23.42	PMC-12V050W1AA
	85 - 264	158mm x 97mm x 38mm	12	8.33	603-1240-ND	42.81	39.17	32.79	PMC-12V100W1AA
	85 - 264	128mm x 97mm x 38mm	24	1.46	603-1241-ND	28.83	26.38	22.09	PMC-24V035W1AA
	85 - 264	128mm x 97mm x 38mm	24	2.1	603-1242-ND	32.33	29.58	24.76	PMC-24V050W1AA
	85 - 264	158mm x 97mm x 38mm	24	4.17	603-1243-ND	44.55	40.77	34.13	PMC-24V100W1AA

## CLiQ Series

Delta's switching power supplies provide power ranging up to 7,200W+ per power module, with efficiency of over 90% and power density of up to 25W/inch3. These products are modular, redundant, hot swappable and provide universal input power systems for high reliability. Delta offers custom design and high volume manufacturing capability of power supplies.

Fig.	Input Voltage Range		Dimensions L x W x H (mm)	Output Voltage (VDC)	Current Output (A)	Digi-Key Part No.	Price Each			Delta Part No.
	VAC	VDC					1	10	25	
<b>DIN Rail</b>										
2	85 - 264	120 - 375	100 x 32 x 100	12	1.25	603-1234-ND	30.17	27.61	23.11	DRP012V015W1AZ
	85 - 264	120 - 375	100 x 32 x 100	12	2.5	603-1235-ND	32.61	29.84	24.99	DRP012V030W1AZ
4	85 - 264	120 - 375	121 x 50 x 118.2	12	8.33	603-1237-ND	79.09	72.36	60.58	DRP012V100W1AA
5	85 - 264	120 - 375	121 x 32 x 120	12	5	603-1236-ND	58.70	53.71	44.97	DRP012V060W1AA
3	85 - 264	120 - 375	121 x 160 x 118.5	24	20	603-1229-ND	203.84	186.50	156.14	DRP024V480W1AA
	320 - 575	450 - 800	121 x 160 x 118.5	24	20	603-1233-ND	248.69	227.52	190.49	DRP024V480W3AA
4	85 - 264	120 - 375	121 x 50 x 118.2	24	5	603-1227-ND	86.43	79.08	66.21	DRP024V120W1AA
	85 - 264	120 - 375	121 x 85 x 118.5	24	10	603-1228-ND	144.32	132.04	110.55	DRP024V240W1AA
	320 - 575	450 - 800	121 x 70 x 118.5	24	2.5	603-1230-ND	96.22	88.03	73.70	DRP024V060W3AA
	320 - 575	450 - 800	121 x 70 x 118.5	24	5	603-1231-ND	109.26	99.96	83.69	DRP024V120W3AA
	320 - 575	450 - 800	121 x 85 x 120.5	24	10	603-1232-ND	170.41	155.91	130.53	DRP024V240W3AA
	85 - 264	120 - 375	120.6 x 32 x 113	24	2.5	603-1225-ND	39.14	35.81	29.98	DRP024V060W1AZ
5	85 - 264	120 - 375	121 x 32 x 120	24	2.5	603-1226-ND	55.45	50.73	42.47	DRP024V060W1AA



## DC-DC Power Modules

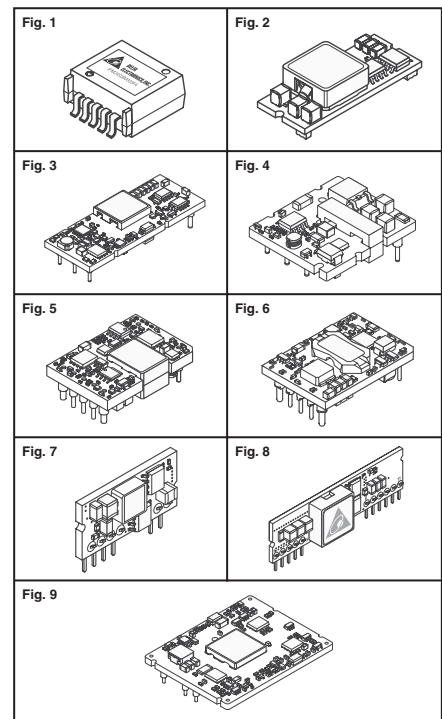
**Features:** Delphi Series IPM12 and IMP24S: • High efficiency • Remote ON/OFF • Output short circuit protection • Copper pad to provide excellent thermal performance  
 Delphi Series DNT: • High efficiency • Output voltage programmable from 0.75Vdc to 5Vdc via external resistor • Input: Under Voltage Look Out (UVLO), Over Current Protection (OCP) • Remote ON/OFF  
 Delphi Series DNL and DNL: • High efficiency • Output voltage tracking • No minimum load required • Output voltage programmable from 0.75Vdc to 5Vdc via external resistor • Remote ON/OFF • Remote sense  
 Delphi Series E36SR, S36SE, E48SH and E48SR: • High efficiency • Input: Under Voltage Look Out (UVLO) • Output: Over Temperature Protection (OTP), Over Current Protection (OCP), Over Voltage Protection (OVP) • No minimum load required  
 Delphi Series S48SP: • High efficiency • Input: Under Voltage Look Out (UVLO) • Output: Over Temperature Protection (OTP), Over Current Protection (OCP), Over Voltage Protection (OVP) • Output voltage trim ±10% • 2250V isolation and

basic insulation • No minimum load required  
 Delphi Series V36SE AND L36SA: • High efficiency • Input: Under Voltage Look Out (UVLO) • Over Temperature Protection (OTP) • Output: Over Current Protection (OCP), Over Voltage Protection (OVP), default is auto-recovery • 2250V isolation and basic insulation • No minimum load required  
 Delphi Series V48SR: • High efficiency • Input: Under Voltage Look Out (UVLO) and Over Voltage Protection (OVP), Over Temperature Protection (OTP) • Output: Over Current Protection (OCP), Over Voltage Protection (OVP) • Output voltage trim -20% to +10% • 2250V isolation and basic insulation • No minimum load required  
 Delphi Series DNS: • High efficiency • No minimum load required • Output voltage programmable from 0.75Vdc to 5Vdc via external resistor • Input: Under Voltage Look Out (UVLO) • Output: Over Temperature Protection (OTP), Over Current Protection (OCP) • Remote ON/OFF



Fig.	Input Voltage Range (VAC)	Dimensions L x W x H (mm)	Output Voltage (VDC)	Current Output (A)	Digi-Key Part No.	Price Each			Delta Part No.
						1	5	10	
<b>POL DC-DC</b>									
1	8 - 14	17.8 x 15 x 7.8	0.9 - 5	4	941-1021-1-ND†	15.06	14.24	13.15	IPM12COA0S04FA
	8 - 14	17.8 x 15 x 7.8	0.9 - 5	4	941-1021-2-ND‡		2009.49/200		IPM12COA0S04FA
	11 - 36	17.8 x 15 x 7.8	3.3 - 6.5	3	941-1010-1-ND†	15.06	14.24	13.15	IPM24S0B0S03FA
	11 - 36	17.8 x 15 x 7.8	3.3 - 6.5	3	941-1010-2-ND‡		2009.49/200		IPM24S0B0S03FA
	20 - 36	17.8 x 15 x 7.8	8 - 15	3	941-1022-1-ND†	15.06	14.24	13.15	IPM24S0C0S03FA
	20 - 36	17.8 x 15 x 7.8	8 - 15	3	941-1022-2-ND‡		2009.49/200		IPM24S0C0S03FA
2	2.4 - 5.5	20.3 x 11.4 x 6.9	0.75 - 3.63	5	941-1016-1-ND†	11.95	11.30	10.43	DNT04S0A0S05NFA
	2.4 - 5.5	20.3 x 11.4 x 6.9	0.75 - 3.63	5	941-1016-2-ND‡		2052.03/300		DNT04S0A0S05NFA
	8.3 - 14	33.0 x 13.5 x 9.7	0.75 - 5	10	941-1009-1-ND†	18.26	17.26	15.94	DNL10S0A0S10PFD
	8.3 - 14	33.0 x 13.5 x 9.7	0.75 - 5	10	941-1009-2-ND‡		2047.76/170		DNL10S0A0S10PFD
	8.3 - 14	33.0 x 13.5 x 8.8	0.75 - 5	16	941-1014-1-ND†	21.17	20.02	18.48	DNL10S0A0S16PFD
	8.3 - 14	33.0 x 13.5 x 8.8	0.75 - 5	16	941-1014-2-ND‡		2403.58/170		DNL10S0A0S16PFD
<b>8th Brick DC-DC</b>									
3	18 - 75	58.4 x 22.8 x 9.2	3.3	20	941-1017-ND	55.43	53.80	52.99	E36SR3R320NRFH
	36 - 75	58.4 x 22.8 x 9.5	3.3	30	941-1019-ND	46.60	45.23	44.55	E48SR3R30NRFH
	36 - 75	58.4 x 22.8 x 8.4	3.3	20	941-1020-ND	45.78	44.44	43.77	E48SR3R20NRFH
	36 - 75	58.4 x 22.8 x 9.5	5	20	941-1018-ND	48.91	47.48	46.76	E48SH0502NRFH
	36 - 75	58.4 x 22.9 x 8.4	12	7	941-1001-ND	45.87	44.52	43.85	E48SR12007NRFH
<b>1 x 1 Brick DC-DC</b>									
4	18 - 75	27.9 x 24.4 x 8.7	5	3	941-1004-ND	22.53	21.87	21.54	S36SE05003NRFH
	18 - 75	27.9 x 24.4 x 8.7	3.3	5	941-1005-ND	24.13	23.42	23.07	S36SE3R305NRFH
	36 - 75	33.0 x 24.4 x 8.55	5	7	941-1006-ND	32.09	31.15	30.68	S48SP05007NRFH
	18 - 75	27.9 x 24.4 x 8.7	12	1.3	941-1025-ND	22.53	21.87	21.54	S36SE12001NRFH
	36 - 75	27.9 x 24.4 x 8.7	12	2	941-1026-ND	24.13	23.42	23.07	S36SE12002PRFH
	36 - 75	33.0 x 24.4 x 8.55	12	3	941-1027-ND	32.16	31.22	30.75	S48SP12003NRFH
<b>1/4th Brick DC-DC</b>									
5	48	57.9 x 36.8 x 12.7	12	25	941-1012-ND	71.66	69.56	68.51	Q48SK12025NRFH
	48	57.9 x 36.8 x 12.7	12	33	941-1013-ND	76.34	74.10	72.98	Q48SK12033NRFH
<b>1/16th Brick DC-DC</b>									
5	18 - 75	33 x 22.9 x 9.3	3.3	15	941-1029-ND	33.76	32.77	32.28	V36SE3R315NRFH
	36 - 75	33 x 22.9 x 9.5	3.3	20	941-1031-ND	45.70	44.36	43.69	V48SR3R320NRFH
	18 - 75	33 x 22.8 x 9.3	5	10	941-1028-ND	33.76	32.77	32.28	V36SE05010NRFH
	36 - 75	33 x 22.9 x 9.5	5	13	941-1030-ND	45.66	44.32	43.65	V48SR05013NRFH
	36 - 75	33.0 x 22.9 x 9.5	12	5.5	941-1008-ND	45.63	44.29	43.62	V48SR12005NRFH
	18 - 75	33.0 x 22.8 x 8.7	12	4.2	941-1007-ND	33.76	32.77	32.28	V36SE12004NRFH
<b>POL DC-DC</b>									
7	8.3 - 14	25.4 x 6.7 x 12.7	0.75 - 5	6	941-1011-ND	8.43	8.18	8.06	DNS10S0A0R06NFD
8	8.3 - 14	50.8 x 8.5 x 13.4	0.75 - 3.3	10	941-1015-ND	11.68	11.34	11.17	DNM04S0A0R10NFD
<b>2 x 1.6 DC-DC Converter</b>									
9	18 - 75	39.4 x 49.6 x 8.9	3.3	15	941-1024-ND	48.19	46.78	46.08	L36SA3R315NRFH
	18 - 75	39.4 x 49.6 x 8.9	12	4	941-1023-ND	48.21	46.80	46.08	L36SA12004NRFH

† Cut Tape ‡ Tape and Reel



Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

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