

DIN Rail

Features: **DLP Series:** • Low cost • 3 year warranty • Convection cooled **DLPPU Series:** • O Ring diodes included • Alarm signals • LED indicators • DIN rail mounting **DPP Series:** • Low cost • Universal Input • Compact size • -10°C ~ 71°C operation • Convection cooled **DPP480 Series:** • Low cost • Wide range AC input • Active PFC • Parallel function switch • -25°C ~ 71°C operation • Convection cooled **DSP Series:** • Low profile for building automation • Wide range AC input • -25°C ~ 71°C operation • Convection cooled • DIN rail or chassis mount **Note:** For safety and EMI certifications, please see series data sheets.

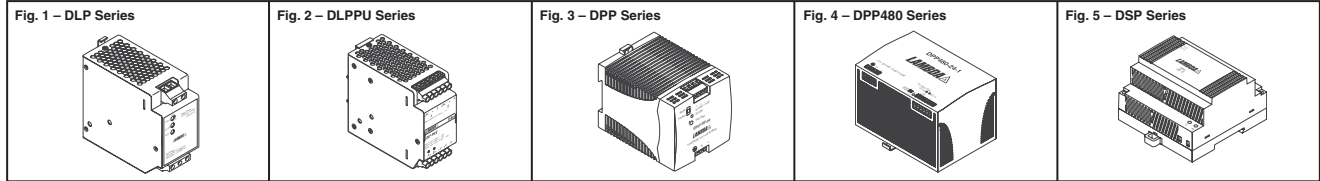


Fig.	Series	Voltage (V)	Output Current (A)	Output Power (W)	Digi-Key Part No.	Price Each 1 10	Lambda Part No.
1	DLP	24	3.1	75	285-1210-ND	62.00 61.00	DLP75241/E
		24	4.1	98.4	285-1206-ND	84.00 81.00	DLP100241/E
		24	5	120	285-1207-ND	90.00 87.00	DLP120241/E
		24	7.5	180	285-1208-ND	122.00 120.00	DLP180241/E
2	DLPPU	24	10	240	285-1209-ND	145.00 140.00	DLP240241/E
		21 - 28VDC	20	—	285-1211-ND	91.00 86.00	DLPPU/E
3	DPP	5	5	25	285-1214-ND	48.00 46.00	DPP25-5
		12	2.5	30	285-1215-ND	48.00 46.00	DPP30-12
		15	3.4	50	285-1218-ND	54.00 51.00	DPP50-15
		24	0.63	15	285-1213-ND	40.00 38.00	DPP15-24
		24	1.3	30	285-1216-ND	48.00 46.00	DPP30-24
		24	2.1	50	285-1219-ND	54.00 51.00	DPP50-24
		24	4.2	100	285-1212-ND	77.00 72.00	DPP100-24
		48	1.05	50	285-1220-ND	54.00 51.00	DPP50-48
4	DPP480	24	20	480	285-1217-ND	200.00 180.00	DPP480241

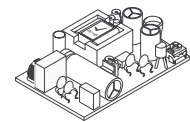
Fig.	Series	Voltage (V)	Output Current (A)	Output Power (W)	Digi-Key Part No.	Price Each 1 10	Lambda Part No.
5	DSP	5	1.5	7.5	285-1228-ND	24.20 20.50	DSP10-5
		5	3	15	285-1232-ND	39.00 32.00	DSP30-5
		5	7	35	285-1236-ND	47.00 40.00	DSP60-5
		12	0.83	10	285-1225-ND	24.20 20.50	DSP10-12
		12	2.1	25.2	285-1229-ND	39.00 32.00	DSP30-12
		12	4.5	54	285-1233-ND	47.00 40.00	DSP60-12
		12	6	72	285-1221-ND	61.43 52.00	DSP100-12
		15	0.67	10.1	285-1226-ND	24.20 20.50	DSP10-15
		15	2	30	285-1230-ND	39.00 32.00	DSP30-15
		15	4	60	285-1234-ND	47.00 40.00	DSP60-15
		15	5	75	285-1222-ND	61.43 52.00	DSP100-15
		24	0.42	10.1	285-1227-ND	24.20 20.50	DSP10-24
		24	1.3	31.2	285-1231-ND	39.00 32.00	DSP30-24
		24	2.5	60	285-1235-ND	47.00 40.00	DSP60-24
		24	3.8	91.2	285-1224-ND	61.43 52.00	DSP100-24/C2
		24	4.2	100.8	285-1223-ND	61.43 52.00	DSP100-24

Note: DIN rail adapters also available for JWS, HK and HWS series power supplies listed under enclosed case.

NEW! Board Mount — KPSA Series

Features:

- Low Profile • Smaller Footprint • PC Board mountable • Low cost • UL Class II Approved • Wide input range • No external components needed • Minimized pcb space
- Global use with no manual intervention • Easy to use • No ground connection needed.



Note: For safety and EMI certifications, please see series data sheets.

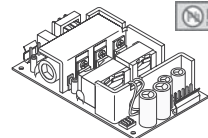
Series	Voltage (V)	Output Current (A)	Output Power (W)	Digi-Key Part No.	Price Each 1 10	Lambda Part No.
KPSA	5	1	5	285-1773-ND	19.13 16.88	KPSA55
		2	10	285-1769-ND	24.48 21.60	KPSA105
		3	15	285-1771-ND	29.45 25.99	KPSA155
	12	0.42	5	285-1754-ND	19.13 16.88	KPSA512
		0.84	10.1	285-1750-ND	24.48 21.60	KPSA1012
		1.25	15	285-1752-ND	29.45 25.99	KPSA1512

Series	Voltage (V)	Output Current (A)	Output Power (W)	Digi-Key Part No.	Price Each 1 10	Lambda Part No.
KPSA	15	0.33	5	285-1772-ND	19.13 16.88	KPSA515
		0.67	10.1	285-1768-ND	24.48 21.60	KPSA1015
		1	15	285-1770-ND	29.45 25.99	KPSA1515
	24	0.23	5.5	285-1755-ND	19.13 16.88	KPSA524
		0.42	10.1	285-1751-ND	24.48 21.60	KPSA1024
		0.63	15.1	285-1753-ND	29.45 25.99	KPSA1524

AC/DC Open Case

Features: **KPS Series:** • Small size and lightweight • PC board mountable • Low cost • Universal input voltage **ZWS Series:** • Universal input (85 ~ 265VAC) • Power factor corrected (>50W) • Input transient protected • 2 year warranty • High quality design • Peak power capability **ZP40/60 Series:** • Single and multiple outputs • Wide range AC input • Low profile, industry standard footprint **ZPSA20 Series:** • Single output • Wide range AC input • Low profile, industry standard footprint **SC40/60 Series:** • Low cost

• Single and multiple outputs • Wide range AC input • Low profile **SCS120PW Series:** • Low profile • Convection cooled • Wide range AC input with PFC **MTW Series:** • 26mm height • 3 year warranty • Peak load capable • Light weight • Output 1 isolated from outputs 2 and 3 **ZWQ Series:** • Universal input (85 ~ 265VAC) • Power factor corrected • Floating adjustable fourth output • Low profile <1U high **Note:** For safety and EMI certifications, please see series data sheets.



Series	Voltage (V)	Output Current (A)	Output Power (W)	Digi-Key Part No.	Price Each 1 10	Lambda Part No.
Single Output						
KPS	3.3	1.25	4.1	285-1420-ND	18.00 17.00	KPS53R3
	3.3	2.50	8.3	285-1410-ND	23.00 21.50	KPS103R3
	3.3	3	9.9	285-1415-ND	27.50 26.00	KPS153R3
	5	1	5	285-1421-ND	18.00 17.00	KPS55
	5	2	10	285-1411-ND	23.00 21.50	KPS105
	5	3	15	285-1416-ND	27.50 26.00	KPS155
	12	0.42	5	285-1417-ND	18.00 17.00	KPS512
	12	0.84	10.1	285-1407-ND	23.00 21.50	KPS1012
	12	1.25	15	285-1412-ND	27.50 26.00	KPS1512
	15	0.33	5	285-1418-ND	18.00 17.00	KPS515
	15	0.67	10.1	285-1408-ND	23.00 21.50	KPS1015
	15	1	15	285-1413-ND	27.50 26.00	KPS1515
ZWS	24	0.23	5.5	285-1419-ND	18.00 17.00	KPS524
	24	0.42	10.1	285-1409-ND	23.00 21.50	KPS1024
	24	0.63	15.1	285-1414-ND	27.50 26.00	KPS1524
	3.3	1	3.3	285-1733-ND	21.00 20.00	ZWS5-3
	3.3	6	19.8	285-1724-ND	34.00 33.00	ZWS30-3
	5	1	5	285-1734-ND	21.00 20.00	ZWS5-5
	5	2	10	285-1704-ND	25.00 24.00	ZWS10-5
	5	3	15	285-1717-ND	29.50 28.00	ZWS15-5
	5	10	50	285-1730-ND	42.00 40.00	ZWS50-5
	12	0.85	10.2	285-1702-ND	25.00 24.00	ZWS10-12
	12	1.25	15	285-1714-ND	29.50 28.00	ZWS15-12
	12	2.5	30	285-1721-ND	34.00 33.00	ZWS30-12
12	4.3	51.6	285-1726-ND	42.00 40.00	ZWS50-12	
ZPSA20	3.3	1	3.3	285-1733-ND	21.00 20.00	ZWS515
	3.3	1	15	285-1715-ND	29.50 28.00	ZWS15-15
	15	2	30	285-1722-ND	34.00 33.00	ZWS30-15
	15	3.5	52.5	285-1727-ND	42.00 40.00	ZWS50-15
	24	0.22	5.28	285-1732-ND	21.00 20.00	ZWS524

Series	Voltage (V)	Output Current (A)	Output Power (W)	Digi-Key Part No.	Price Each 1 10	Lambda Part No.
ZWS	24	0.45	10.8	285-1703-ND	25.00 24.00	ZWS10-24
	24	0.65	15.6	285-1716-ND	29.50 28.00	ZWS15-24
	24	1.3	31.2	285-1723-ND	34.00 33.00	ZWS30-24
	24	2.1	50.4	285-1728-ND	42.00 40.00	ZWS50-24
	36	0.9	32.4	285-1725-ND	34.00 33.00	ZWS30-36
	36	1.4	50.4	285-1729-ND	42.00 40.00	ZWS50-36
ZP40/60	3.3	6	20	285-1652-ND	35.71 34.74	ZPSA20-3R3
	3.3	8	26	285-1658-ND	40.00 38.91	ZPSA20-3R3
	5	6	30	285-1654-ND	36.00 34.00	ZPSA405
	5	8	40	285-1660-ND	40.00 38.00	ZPSA605
	12	3.34	40	285-1649-ND	36.00 34.00	ZPSA4012
	12	5	60	285-1655-ND	40.00 38.00	ZPSA6012
ZPSA20	15	2.67	40	285-1650-ND	36.00 34.00	ZPSA4015
	15	4	60	285-1656-ND	40.00 38.00	ZPSA6015
	24	1.67	40	285-1651-ND	36.00 34.00	ZPSA4024
	24	2.5	60	285-1657-ND	40.00 38.00	ZPSA6024
	48	0.834	40	285-1653-ND	36.00 34.00	ZPSA4048
	48	1.25	60	285-1659-ND	40.00 38.00	ZPSA6048
SC40/60	3.3	4.4	20	285-1744-ND	22.95 20.25	ZPSA20-3R3
	5	4.4	20	285-1745-ND	22.95 20.25	ZPSA20-5
	9	2.45	20	285-1746-ND	22.95 20.25	ZPSA20-9
	12	1.8	20	285-1747-ND	22.95 20.25	ZPSA20-12
	15	1.4	20	285-1748-ND	22.95 20.25	ZPSA20-15
	24	0.92	20	285-1749-ND	22.95 20.25	ZPSA20-24
SCS40/60	3.3	8	40	285-1583-ND	48.00 46.00	SCS403
	3.3	12	60	285-1590-ND	66.00 59.00	SCS603
	5	8	40	285-1585-ND	48.00 46.00	SCS405
	5	12	60	285-1592-ND	66.00 59.00	SCS605
	12	3.3	40	285-1579-ND	48.00 46.00	SCS4012

† 50W with 30CFM forced air cooling, derate linearly to 35W from 50°C ~ 70°C

(Continued)

More Product Available Online: www.digkey.com

AC/DC Open Case (Cont.)

Series	Voltage (V)	Output Current (A)	Output Power (W)	Digi-Key Part No.	Price Each 1 10	Lambda Part No.
SC40/60	12	5	60	285-1586-ND	66.00 59.00	SCS6012
	15	2.6	40	285-1580-ND	48.00 46.00	SCS4015
	15	4	60	285-1587-ND	66.00 59.00	SCS6015
	24	1.6	40	285-1581-ND	48.00 46.00	SCS4024
	24	2.5	60	285-1588-ND	66.00 59.00	SCS6024
	28	1.4	40	285-1582-ND	48.00 46.00	SCS4028
	28	2.1	60	285-1589-ND	66.00 59.00	SCS6028
	48	0.9	40	285-1584-ND	48.00 46.00	SCS4048
SCS120PW	12	10	120	285-1576-ND	60.00 58.00	SCS120PW12
	15	8	120	285-1577-ND	60.00 58.00	SCS120PW15
	24	5	120	285-1578-ND	60.00 58.00	SCS120PW24
Dual Output						
SC40/60	12	1.8	40	285-1572-ND	48.00 46.00	SCD401212
	-12	1.5	40	285-1573-ND	48.00 46.00	SCD401515
	15	1.5	40	285-1573-ND	48.00 46.00	SCD401515
	-15	1.2	40	285-1574-ND	66.00 61.00	SCD601212
	12	2.75	60	285-1574-ND	66.00 61.00	SCD601212
	-12	2.25	60	285-1575-ND	66.00 61.00	SCD601515
Triple Output						
MTW	5	2	16	285-1475-ND	31.75 31.00	MTW15-51212
	12	0.3	16	285-1475-ND	31.75 31.00	MTW15-51212
	-12	0.2	16	285-1476-ND	31.75 31.00	MTW15-51515
	5	2	16	285-1476-ND	31.75 31.00	MTW15-51515
	15	0.3	16	285-1476-ND	31.75 31.00	MTW15-51515
	-15	0.2	16	285-1477-ND	41.00 40.00	MTW30-51212
	5	3	30	285-1477-ND	41.00 40.00	MTW30-51212
	12	1.2	30	285-1477-ND	41.00 40.00	MTW30-51212
	-12	0.3	30	285-1478-ND	41.00 40.00	MTW30-51515
	5	3	30	285-1478-ND	41.00 40.00	MTW30-51515
	15	0.8	30	285-1478-ND	41.00 40.00	MTW30-51515
	-15	0.3	30	285-1479-ND	66.00 64.00	MTW60-51212
ZP40	5	5	60	285-1479-ND	66.00 64.00	MTW60-51212
	12	2.5	60	285-1479-ND	66.00 64.00	MTW60-51212
	-12	0.5	60	285-1480-ND	66.00 64.00	MTW60-51515
	5	5	60	285-1480-ND	66.00 64.00	MTW60-51515
	15	2	60	285-1480-ND	66.00 64.00	MTW60-51515
	-15	0.5	60	285-1662-ND	51.26 45.23	ZPT405125N
	5	3.2	40.5†	285-1662-ND	51.26 45.23	ZPT405125N
	12	2	40.5†	285-1661-ND	51.26 45.23	ZPT4051212N
	-12	0.3	40.5†	285-1661-ND	51.26 45.23	ZPT4051212N
	5	3.2	42†	285-1663-ND	51.26 45.23	ZPT4051515N
	15	1.5	42†	285-1663-ND	51.26 45.23	ZPT4051515N
	-15	0.3	42†	285-1664-ND	51.26 45.23	ZPT4052412N
SC40/60	5	3.2	42.6†	285-1664-ND	51.26 45.23	ZPT4052412N
	12	1	42.6†	285-1664-ND	51.26 45.23	ZPT4052412N
	-12	0.3	42.6†	285-1665-ND	51.26 45.23	ZPT405245N
	5	3.2	40.5†	285-1665-ND	51.26 45.23	ZPT405245N
	12	1	40.5†	285-1665-ND	51.26 45.23	ZPT405245N
	-12	0.3	40.5†	285-1594-ND	48.00 46.00	SCT42
	5	4	40	285-1594-ND	48.00 46.00	SCT42
	12	2	40	285-1594-ND	48.00 46.00	SCT42
	-12	0.5	40	285-1595-ND	48.00 46.00	SCT43
	5	5	40	285-1595-ND	48.00 46.00	SCT43
	12	0.5	40	285-1595-ND	48.00 46.00	SCT43
	-12	0.5	40	285-1596-ND	48.00 46.00	SCT44

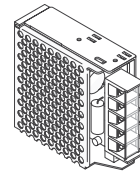
Series	Voltage (V)	Output Current (A)	Output Power (W)	Digi-Key Part No.	Price Each 1 10	Lambda Part No.
SC40/60	5	4	40	285-1598-ND	48.00 46.00	SCT46
	24	1	40	285-1598-ND	48.00 46.00	SCT46
	-12	0.5	40	285-1599-ND	34.00 33.00	SCT47
	5	4	40	285-1599-ND	34.00 33.00	SCT47
	24	1	40	285-1599-ND	34.00 33.00	SCT47
	12	0.5	40	285-1600-ND	34.00 33.00	SCT48
	5	4	40	285-1600-ND	34.00 33.00	SCT48
	24	1	40	285-1600-ND	34.00 33.00	SCT48
	-5	0.5	40	285-1593-ND	62.00 57.00	SCT401
	3.3	4	40	285-1593-ND	62.00 57.00	SCT401
	5	2	40	285-1593-ND	62.00 57.00	SCT401
	±12	0.5	40	285-1601-ND	66.00 61.00	SCT62
5	7	60	285-1601-ND	66.00 61.00	SCT62	
12	3	60	285-1601-ND	66.00 61.00	SCT62	
-12	0.7	60	285-1603-ND	52.02 45.90	SCT64	
5	7	60	285-1603-ND	52.02 45.90	SCT64	
12	3	60	285-1603-ND	52.02 45.90	SCT64	
-5	0.7	60	285-1604-ND	66.00 61.00	SCT65	
5	7	60	285-1604-ND	66.00 61.00	SCT65	
24	1.5	60	285-1604-ND	66.00 61.00	SCT65	
12	0.7	60	285-1605-ND	66.00 61.00	SCT66	
5	7	60	285-1605-ND	66.00 61.00	SCT66	
24	1.5	60	285-1605-ND	66.00 61.00	SCT66	
-12	0.7	60	285-1606-ND	52.02 45.90	SCT67	
5	7	60	285-1606-ND	52.02 45.90	SCT67	
24	1.5	60	285-1606-ND	52.02 45.90	SCT67	
-5	0.7	60	285-1607-ND	52.02 45.90	SCT68	
5	7	60	285-1607-ND	52.02 45.90	SCT68	
15	3	60	285-1607-ND	52.02 45.90	SCT68	
12	0.92	60	285-1607-ND	52.02 45.90	SCT68	
Quad Output						
ZWQ	5	8	80	285-1691-ND	159.12 140.40	ZWQ805222
	12	2	80	285-1691-ND	159.12 140.40	ZWQ805222
	-12	2	80	285-1692-ND	159.12 140.40	ZWQ805223
	12	2	80	285-1692-ND	159.12 140.40	ZWQ805223
	-12	2	80	285-1693-ND	159.12 140.40	ZWQ805224
	3.3	7	80	285-1693-ND	159.12 140.40	ZWQ805224
	5	8	80	285-1694-ND	159.12 140.40	ZWQ805225
	12	2	80	285-1694-ND	159.12 140.40	ZWQ805225
	-12	2	80	285-1694-ND	159.12 140.40	ZWQ805225
	5	7	130	285-1687-ND	175.95 155.25	ZWQ1305222
	12	4	130	285-1687-ND	175.95 155.25	ZWQ1305222
	-12	4	130	285-1688-ND	175.95 155.25	ZWQ1305223
5	15	130	285-1688-ND	175.95 155.25	ZWQ1305223	
12	4	130	285-1688-ND	175.95 155.25	ZWQ1305223	
-12	4	130	285-1689-ND	175.95 155.25	ZWQ1305224	
3.3	10	130	285-1689-ND	175.95 155.25	ZWQ1305224	
5	15	130	285-1689-ND	175.95 155.25	ZWQ1305224	
12	4	130	285-1689-ND	175.95 155.25	ZWQ1305224	
-12	4	130	285-1689-ND	175.95 155.25	ZWQ1305224	
24	2	130	285-1690-ND	175.95 155.25	ZWQ1305225	
5	15	130	285-1690-ND	175.95 155.25	ZWQ1305225	
12	4	130	285-1690-ND	175.95 155.25	ZWQ1305225	
-12	4	130	285-1690-ND	175.95 155.25	ZWQ1305225	
5	10	130	285-1690-ND	175.95 155.25	ZWQ1305225	

† 50W with 30CFM forced air cooling, derate linearly to 35W from 50°C ~ 70°C

Enclosed Case

Features: ZWS-AF Series: • Universal input (85 ~ 265VAC) • Power factor corrected • Input transient protected • 2 year warranty • High quality design • Peak power capability ZWS-PAF Series: • Universal input (85 ~ 265VAC) • Power factor corrected • 200% peak power capability • 2 year warranty HK-A Series: • 3 year warranty • Small size • 85 ~ 132VAC input, 47 ~ 440Hz • ±10% output adjustment HWS/HWS300-1500 Series: • 5 year warranty • Universal input (85 ~ 265VAC) • High efficiency HWS50-1500/HD Series: • 5 year warranty • -10 ~ 71°C operation (-40°C start up) • Universal input (85 ~ 265VAC) • Conformally coated pcbs HWS30-1500/ME Series: • 5 year warranty • Medical approvals • Universal input (85 ~ 265VAC) • High efficiency

LZSA Series: • 5 year warranty • -40 ~ 71°C operation • MIL-STD-810E vibration/shock • Input transient protected JWS/JWT Series: • 5 year warranty • Power factor corrected • Universal input (85 ~ 265VAC) SWS Series: • Low cost • Universal input (85 ~ 265VAC) SWS300/600 Series: • Low cost • Active power factor correction • Universal input (85 ~ 265VAC) SWS600L Series: • Low cost • Low profile • Active power factor correction • Universal input (85 ~ 265VAC) • Low acoustical noise • 3 year warranty **Note:** For safety and EMI certifications, please see series data sheets.



Series	Voltage (V)	Output Current (A)	Output Power (W)	Digi-Key Part No.	Price Each 1 10	Lambda Part No.
Single Output						
ZWS-AF	3.3	20	66	285-1698-ND▲	78.00 74.00	ZWS100AF3
	5	15	75	285-1739-ND▲	68.00 66.00	ZWS75AF5
	5	20	100	285-1701-ND▲	78.00 74.00	ZWS100AF5
	5	30	150	285-1710-ND▲	98.00 95.00	ZWS150AF5
	12	6.3	75.6	285-1735-ND▲	68.00 66.00	ZWS75AF12
	12	8.5	102	285-1695-ND▲	78.00 74.00	ZWS100AF12
	12	12.5	150	285-1705-ND▲	98.00 95.00	ZWS150AF12
	15	5	75	285-1736-ND▲	68.00 66.00	ZWS75AF15
	15	6.7	100.5	285-1696-ND▲	78.00 74.00	ZWS100AF15
	15	10	150	285-1706-ND▲	98.00 95.00	ZWS150AF15
	24	3.2	76.8	285-1737-ND▲	68.00 66.00	ZWS75AF24
	24	4.3	103.2	285-1697-ND▲	78.00 74.00	ZWS100AF24

Series	Voltage (V)	Output Current (A)	Output Power (W)	Digi-Key Part No.	Price Each 1 10	Lambda Part No.
ZWS-AF	24	6.3	151.2	285-1707-ND▲	98.00 95.00	ZWS150AF24
	36	2.8	100.8	285-1699-ND▲	78.00 74.00	ZWS100AF36
	36	4.2	151.2	285-1708-ND▲	98.00 95.00	ZWS150AF36
	48	1.6	76.8	285-1738-ND▲	68.00 66.00	ZWS75AF48
	48	2.1	100.8	285-1700-ND▲	78.00 74.00	ZWS100AF48
	48	3.2	153.6	285-1709-ND▲	98.00 95.00	ZWS150AF48
ZWS-PAF	24	6.3	151.2	285-1711-ND▲	120.00 118.00	ZWS150PAF24
	24	10	240	285-1718-ND▲	159.00 154.00	ZWS240PAF24
	36	4.2	151.2	285-1712-ND▲	120.00 118.00	ZWS150PAF36
	36	6.7	241.2	285-1719-ND▲	159.00 154.00	ZWS240PAF36
	48	1.6	76.8	285-1713-ND▲	68.00 66.00	ZWS75PAF48
	48	2.1	100.8	285-1714-ND▲	78.00 74.00	ZWS100PAF48

‡ 100/200VAC input § Peak rating of 120A for 10s ▲ Without cover † Peak current and power possible at 170-26VAC input, 10s maximum, 35% duty cycle

(Continued)

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Power Supplies



Enclosed Case (Cont.)

Series	Voltage (V)	Output Current (A)	Output Power (W)	Digi-Key Part No.	Price Each 1	Price Each 10	Lambda Part No.
ZWS-PAF	48	3.1	148.8	285-1713-ND▲	120.00	118.00	ZWS150PAF48
	48	5	240	285-1720-ND▲	159.00	154.00	ZWS240PAF48
	5	2	10	285-1248-ND	27.00	26.00	HK100A-5/A
	5	3	15	285-1256-ND	33.00	32.00	HK15A-5/A
	5	5	25	285-1260-ND	39.00	38.00	HK25A-5/A
HK-A	5	10	50	285-1264-ND	56.50	55.00	HK50A-5/A
	5	20	100	285-1244-ND	94.00	92.00	HK100A-5/A
	5	30	150	285-1252-ND	128.00	125.00	HK150A-5/A
	12	0.9	10.8	285-1245-ND	27.00	26.00	HK10A-12/A
	12	1.3	15.6	285-1253-ND	33.00	32.00	HK15A-12/A
	12	2.1	25.2	285-1257-ND	39.00	38.00	HK25A-12/A
	12	4.2	50.4	285-1261-ND	56.50	55.00	HK50A-12/A
	12	8.5	102	285-1241-ND	94.00	92.00	HK100A-12/A
	12	12.5	150	285-1249-ND	128.00	125.00	HK150A-12/A
	15	0.7	10.5	285-1246-ND	27.00	26.00	HK10A-15/A
	15	1	15	285-1254-ND	33.00	32.00	HK15A-15/A
	15	1.7	25.5	285-1258-ND	39.00	38.00	HK25A-15/A
	15	3.4	51	285-1262-ND	56.50	55.00	HK50A-15/A
	15	7	105	285-1242-ND	94.00	92.00	HK100A-15/A
	15	10	150	285-1250-ND	128.00	125.00	HK150A-15/A
	24	0.5	12	285-1247-ND	27.00	26.00	HK10A-24/A
	24	0.7	16.8	285-1255-ND	33.00	32.00	HK15A-24/A
	24	1.1	25.4	285-1259-ND	39.00	38.00	HK25A-24/A
	24	2.2	52.8	285-1263-ND	56.50	55.00	HK50A-24/A
	24	4.5	108	285-1243-ND	94.00	92.00	HK100A-24/A
	24	6.5	156	285-1251-ND	128.00	125.00	HK150A-24/A
	3.3	3	9.9	285-1315-ND	42.00	40.00	HWS15-3/A
	3.3	6	19.8	285-1337-ND	54.00	52.00	HWS30-3/A
	3.3	10	33	285-1351-ND	115.00	111.00	HWS50-3/A
	3.3	20	66	285-1274-ND	166.00	161.00	HWS100-3/A
3.3	30	99	285-1304-ND	216.00	208.00	HWS150-3/A	
5	3	15	285-1317-ND	42.00	40.00	HWS15-5/A	
5	6	30	285-1340-ND	54.00	52.00	HWS30-5/A	
5	10	50	285-1356-ND	115.00	111.00	HWS50-5/A	
5	20	100	285-1279-ND	166.00	161.00	HWS100-5/A	
5	30	150	285-1308-ND	216.00	208.00	HWS150-5/A	
12	1.3	15.6	285-1312-ND	42.00	40.00	HWS15-12/A	
12	2.5	30	285-1331-ND	54.00	52.00	HWS30-12/A	
12	4.3	51.6	285-1342-ND	115.00	111.00	HWS50-12/A	
12	8.5	102	285-1265-ND	166.00	161.00	HWS100-12/A	
12	13	156	285-1295-ND	216.00	208.00	HWS150-12/A	
15	1	15	285-1313-ND	42.00	40.00	HWS15-15/A	
15	2	30	285-1333-ND	54.00	52.00	HWS30-15/A	
15	3.5	52.5	285-1345-ND	115.00	111.00	HWS50-15/A	
15	7	105	285-1268-ND	166.00	161.00	HWS100-15/A	
15	10	150	285-1298-ND	216.00	208.00	HWS150-15/A	
24	0.65	15.6	285-1314-ND	42.00	40.00	HWS15-24/A	
24	1.3	31.2	285-1335-ND	54.00	52.00	HWS30-24/A	
24	2.2	52.8	285-1348-ND	115.00	111.00	HWS50-24/A	
24	4.5	108	285-1271-ND	166.00	161.00	HWS100-24/A	
24	6.5	156	285-1301-ND	216.00	208.00	HWS150-24/A	
48	0.33	15.84	285-1316-ND	42.00	40.00	HWS15-48/A	
48	0.65	31.2	285-1338-ND	54.00	52.00	HWS30-48/A	
48	1.1	52.8	285-1353-ND	115.00	111.00	HWS50-48/A	
48	2.1	100.8	285-1276-ND	166.00	161.00	HWS100-48/A	
48	3.3	158.4	285-1306-ND	216.00	208.00	HWS150-48/A	
3.3	60	198	285-1325-ND	365.00	328.01	HWS300-3	
3.3	120	396	285-1366-ND	555.00	540.00	HWS600-3	
5	60	300	285-1329-ND	365.00	328.01	HWS300-5	
5	120	600	285-1370-ND	555.00	540.00	HWS600-5	
12	27	324	285-1318-ND	365.00	328.01	HWS300-12	
12	53	636	285-1359-ND	555.00	540.00	HWS600-12	
12	125	1,500	285-1282-ND	1,200.00	1,125.01	HWS150012	
15	22	330	285-1320-ND	365.00	328.01	HWS300-15	
15	43	645	285-1361-ND	555.00	540.00	HWS600-15	
15	100	1,500	285-1284-ND	1,200.00	1,125.01	HWS150015	
24	14	336	285-1322-ND	365.00	328.01	HWS300-24	
24	27	648	285-1363-ND	555.00	540.00	HWS600-24	
24	65/70‡	1,560/1,680	285-1286-ND	1,200.00	1,125.01	HWS150024	
36	42/46.5‡	1,512/1,674	285-1289-ND	1,200.00	1,125.01	HWS150036	
48	7	336	285-1327-ND	365.00	328.01	HWS300-48	
48	13	624	285-1368-ND	555.00	540.00	HWS600-48	
48	32	1,536	285-1292-ND	1,200.00	1,125.01	HWS150048	
3.3	10	33	285-1352-ND▲	151.00	147.00	HWS50-3/HD	
3.3	20	66	285-1375-ND▲	211.00	206.00	HWS100-3/HD	
3.3	30	99	285-1305-ND▲	273.00	264.01	HWS150-3/HD	
3.3	60	198	285-1326-ND	484.00	435.00	HWS300-3/HD	
3.3	120	396	285-1367-ND	605.00	586.00	HWS600-3/HD	
5	10	50	285-1357-ND▲	151.00	147.00	HWS50-5/HD	
5	20	100	285-1280-ND▲	211.00	206.00	HWS100-5/HD	
5	30	150	285-1310-ND▲	273.00	264.01	HWS150-5/HD	
5	60	300	285-1330-ND	484.00	435.00	HWS300-5/HD	
5	120	600	285-1371-ND	620.00	602.01	HWS600-5/HD	
12	4.3	51.6	285-1343-ND▲	151.00	147.00	HWS50-12/HD	
12	8.5	102	285-1266-ND▲	211.00	206.00	HWS100-12/HD	
12	13	156	285-1296-ND▲	273.00	264.01	HWS150-12/HD	
12	27	324	285-1319-ND	484.00	435.00	HWS300-12/HD	
12	53	636	285-1360-ND	620.00	602.01	HWS600-12/HD	
12	125	1,500	285-1283-ND▲	1,550.00	1,475.01	HWS150012/HD	
15	3.5	52.5	285-1346-ND▲	151.00	147.00	HWS50-15/HD	
15	7	105	285-1269-ND▲	211.00	206.00	HWS100-15/HD	
15	10	150	285-1299-ND▲	273.00	264.01	HWS150-15/HD	
15	22	330	285-1321-ND	484.00	435.00	HWS300-15/HD	
15	43	645	285-1362-ND	620.00	602.01	HWS600-15/HD	
15	100	1,500	285-1285-ND	1,550.00	1,475.01	HWS150015/HD	
24	2.2	52.8	285-1349-ND▲	151.00	147.00	HWS50-24/HD	
24	4.5	108	285-1272-ND▲	211.00	206.00	HWS100-24/HD	
24	6.5	156	285-1302-ND▲	273.00	264.01	HWS150-24/HD	
24	14	336	285-1323-ND	484.00	435.00	HWS300-24/HD	
24	27	648	285-1364-ND	620.00	602.01	HWS600-24/HD	
24	65/70‡	1,560/1,680‡	285-1287-ND	1,550.00	1,475.01	HWS150024/HD	
36	42/46.5‡	1,512/1,674‡	285-1290-ND	1,550.00	1,475.01	HWS150036/HD	
48	1.1	52.8	285-1354-ND▲	151.00	147.00	HWS50-48/HD	
48	2.1	100.8	285-1277-ND▲	211.00	206.00	HWS100-48/HD	
48	3.3	158.4	285-1307-ND▲	273.00	264.01	HWS150-48/HD	
48	7	336	285-1328-ND	484.00	435.00	HWS300-48/HD	
48	13	624	285-1369-ND	620.00	602.01	HWS600-48/HD	

Series	Voltage (V)	Output Current (A)	Output Power (W)	Digi-Key Part No.	Price Each 1	Price Each 10	Lambda Part No.
HWS30-1500/ME	48	32	1536	285-1293-ND	1550.00	1475.01	HWS150048/HD
	48	6	30	285-1341-ND▲	54.00	52.00	HWS30-5/ME
	5	10	50	285-1358-ND▲	122.00	118.00	HWS50-5/ME
	5	20	100	285-1281-ND▲	168.00	163.00	HWS100-5/ME
	5	30	150	285-1311-ND▲	221.00	215.00	HWS150-5/ME
	12	2.5	30	285-1332-ND▲	54.00	52.00	HWS30-12/ME
	12	4.3	51.6	285-1344-ND▲	122.00	118.00	HWS50-12/ME
	12	8.5	102	285-1267-ND▲	168.00	163.00	HWS100-12/ME
	12	13	156	285-1297-ND▲	221.00	215.00	HWS150-12/ME
	15	2	30	285-1334-ND▲	54.00	52.00	HWS30-15/ME
	15	3.5	52.5	285-1347-ND▲	122.00	118.00	HWS50-15/ME
	15	7	105	285-1270-ND▲	168.00	163.00	HWS100-15/ME
	15	10	150	285-1300-ND▲	221.00	215.00	HWS150-15/ME
	24	1.3	31.2	285-1336-ND▲	54.00	52.00	HWS30-24/ME
	24	2.2	52.8	285-1350-ND▲	122.00	118.00	HWS50-24/ME
	24	4.5	108	285-1273-ND▲	168.00	163.00	HWS100-24/ME
	24	6.5	156	285-1303-ND▲	221.00	215.00	HWS150-24/ME
	24	14	336	285-1324-ND	410.00	368.00	HWS300-24/ME
	24	27	648	285-1365-ND	605.00	586.00	HWS600-24/ME
	24	65	1560	285-1288-ND	1300.00	1240.00	HWS150024/ME
	36	42	1512	285-1291-ND	1300.00	1240.00	HWS150036/ME
	48	0.65	31.2	285-1339-ND▲	54.00	52.00	HWS30-48/ME
	48	1.1	52.8	285-1355-ND▲	122.00	118.00	HWS50-48/ME
	48	2.1	100.8	285-1278-ND▲	168.00	163.00	HWS100-48/ME
	48	3.3	158.4	285-1308-ND▲	221.00	215.00	HWS150-48/ME
48	32	1536	285-1294-ND	1300.00	1240.00	HWS150048/ME	
LZSA	24	21	504	285-1456-ND	997.00	890.01	LZSA-500-3
	24	42	1008	285-1455-ND	1300.00	1175.01	LZSA-1000-3
	3.3	10	33	285-1047-ND	120.00	116.00	JWS503/A
	3.3	20	66	285-1384-ND	190.00	185.00	JWS1003/A

Enclosed Case (Cont.)

Series	Voltage (V)	Output Current (A)	Output Power (W)	Digi-Key Part No.	Price Each 1 10	Lambda Part No.
Triple Output						
JWT	5 12 -12	8 4 0.5	75	285-1405-ND	158.47 147.32	JWT75-522/A
	5 15 -15	8 3.2 0.5	75	285-1406-ND	158.47 147.32	JWT75-5FF/A
	5 12 -12	13 5.5 1	100	285-1403-ND	186.97 173.81	JWT100-522/A

Series	Voltage (V)	Output Current (A)	Output Power (W)	Digi-Key Part No.	Price Each 1 10	Lambda Part No.
JWT	5 15 -15	13 4.5 1	100	285-1404-ND	186.97 173.81	JWT100-5FF/A
DIN Rail Kit for JWS50 and JWS75				285-1440-ND	12.50 11.30	LDIN50/75
DIN Rail Kit for JWS100 and JWS150				285-1437-ND	14.50 13.00	LDIN100/150
DIN Rail Kit for JWS300 and JWS600				285-1439-ND	65.00 62.00	LDIN300/600
DIN Rail Kit for HK10A-HK50A				285-1438-ND	12.50 11.30	LDIN30
DIN Rail Bracket for HWS15 and HWS30				285-1203-ND	16.75 15.00	DIN01
DIN Rail Bracket for HWS50				285-1204-ND	16.75 15.00	DIN02
DIN Rail Bracket for HWS100 and HWS150				285-1205-ND	20.00 18.50	DIN03

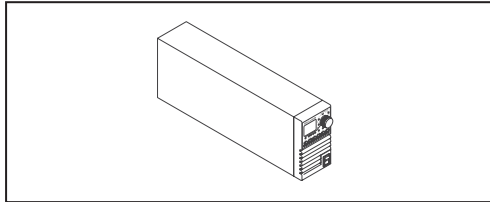
‡ 100/200VAC Input § Peak rating of 120A for 10s ▲ Without cover
† Peak current and power possible at 170-26VAC input, 10s maximum, 35% duty cycle

ZUP Series Programmable

Features:

- Constant voltage/constant current • Last setting memory • Digital meters
- Built-in RS232 and RS485 interface with GPIB optional • Bench or rack mount
- Embedded microprocessor controller • Voltage up to 120V, current up to 132A

Note: For safety and EMI certifications, please see data sheets.



Voltage Range (V)	Current Range (A)	Maximum Power (W)	Digi-Key Part No.	Price Each 1 10	Lambda Part No.	
0 - 6	0 - 33	198	285-1683-ND	956.00 860.00	ZUP6-33/U	
0 - 6	0 - 66	396	285-1684-ND	1261.00 1135.00	ZUP6-66/U	
0 - 6	0 - 132	792	285-1682-ND	1785.00 1607.01	ZUP6-132/U	
0 - 10	0 - 20	200	285-1668-ND	956.00 860.00	ZUP10-20/U	
0 - 10	0 - 40	400	285-1669-ND	1261.00 1135.00	ZUP10-40/U	
0 - 10	0 - 80	800	285-1670-ND	1785.00 1607.01	ZUP10-80/U	
0 - 20	0 - 10	200	285-1673-ND	956.00 860.00	ZUP20-10/U	
0 - 20	0 - 20	400	285-1674-ND	1261.00 1135.00	ZUP20-20/U	
0 - 20	0 - 40	800	285-1675-ND	1785.00 1607.01	ZUP20-40/U	
0 - 36	0 - 6	216	285-1678-ND	956.00 860.00	ZUP36-6/U	
0 - 36	0 - 12	432	285-1676-ND	1261.00 1135.00	ZUP36-12/U	
0 - 36	0 - 24	864	285-1677-ND	1785.00 1607.01	ZUP36-24/U	
0 - 60	0 - 7	420	285-1681-ND	1261.00 1135.00	ZUP60-7/U	
0 - 60	0 - 14	840	285-1679-ND	1785.00 1607.01	ZUP60-14/U	
0 - 90	0 - 2.5	200	285-1685-ND	956.00 860.00	ZUP90-2.5/U	
0 - 80	0 - 5	400	285-1686-ND	1261.00 1135.00	ZUP80-5/U	
0 - 120	0 - 1.8	216	285-1671-ND	956.00 860.00	ZUP120-1.8/U	
0 - 120	0 - 3.6	432	285-1672-ND	1261.00 1135.00	ZUP120-3.6/U	
RS232 Communications Cable DB-9				285-1666-ND	36.45 34.00	ZUP/NC401
RS485 Communications Cable DB-9				285-1667-ND	36.45 34.00	ZUP/NC402

Front End Switching

Features:

- TH Series:** • 1U high • Up to 10,000W in 19" rack • Hot swap capable • High efficiency
- TL Series:** • 2U high • Up to 12,500W in 19" rack • Hot swap capable • >90% efficiency • Full power at 65°C ambient
- FPS1000 Series:** • 1U high • Up to 3000W (3 units) in 19" rack • Hot swap capable (ORing diodes built in) • Low cost • PoE option

- Hot swap capable (ORing diodes built in) • Low cost • PoE option

Note: For safety and EMI certifications, please see series data sheets.

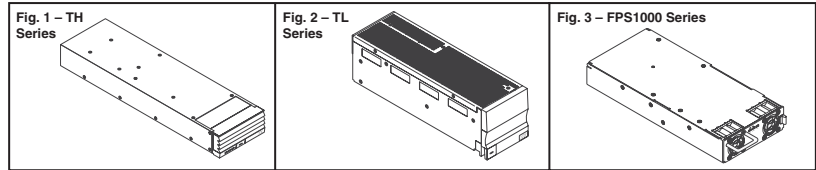


Fig.	Output Voltage (V)	Output Current (A)	Maximum Power (W)	Digi-Key Part No.	Price Each 1 10	Lambda Part No.
1	12	100	1200	285-1639-ND§	915.00 865.00	TH120012
	24	50	1250	285-1640-ND	860.00 810.01	TH120024
	48	25	1250	285-1641-ND	840.00 790.00	TH120048
	48	40	2000	285-1642-ND	1200.00 1150.01	TH200048
2	24	40	1000	285-1645-ND	800.00 760.00	TL100024
	48	20	1000	285-1646-ND	800.00 760.00	TL100048
3	24	40	960	285-1237-ND	600.00 525.00	FPS100024

Fig.	Output Voltage (V)	Output Current (A)	Maximum Power (W)	Digi-Key Part No.	Price Each 1 10	Lambda Part No.
3	32	31	992	285-1238-ND	600.00 525.00	FPS100032
	48	21	1008	285-1239-ND	600.00 525.00	FPS100048
19" Rack for THRBP Blanking Panel				285-1643-ND	660.00 630.00	THR4
19" Rack for TLRBP Blanking Panel				285-1644-ND	140.00 132.00	TLR4
3 Slot Rack for FPS1000				285-1647-ND	490.00 465.01	TLR5
				285-1648-ND	95.00 90.00	TLRBP
				285-1240-ND	640.00 560.01	FPS5U

§ Use rack model THR400

AC/DC PCB Mount

Features:

- KM Series:** • Small size and lightweight • PC board mountable • Wide Range Input • Medical Safety Certifications (4kVAC Input-Output) • Class II (No ground needed)
- KW Series:** • Small size and lightweight • PC board mountable • -10 - 70°C continuous operation • 85 - 265VAC wide range input • Convection cooled
- PFE500/700 Series:** • Low profile, small size • 100°C baseplate temperature • High power density • High efficiency

Note: For safety and EMI certifications, please see series data sheets.

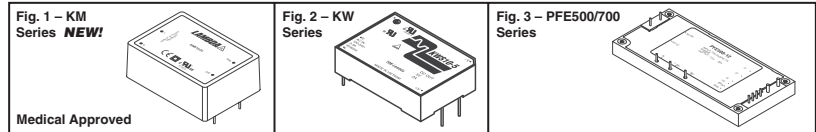


Fig.	Output Voltage (V)	Output Current (A)	Power (W)	Digi-Key Part No.	Price Each 1 10	Lambda Part No.
NEW! Single Output — Medical Approved NEW!						
1	3.3	3	9.9	285-1782-ND	49.34 43.54	KMS153P3
	3.3	8	26.4	285-1783-ND	74.21 65.48	KMS403P3
	5	3	15	285-1785-ND	49.34 43.54	KMS155
	5	8	40	285-1767-ND	74.21 65.48	KMS405
	12	1.25	15	285-1763-ND	49.34 43.54	KMS1512
	12	3.33	40	285-1757-ND	74.21 65.48	KMS4012
	15	2.67	40	285-1766-ND	74.21 65.48	KMS4015
	15	1	15	285-1764-ND	49.34 43.54	KMS1515
	24	0.62	15	285-1756-ND	49.34 43.54	KMS1524
	24	1.67	40	285-1758-ND	74.21 65.48	KMS4024
NEW! Dual Output — Medical Approved NEW!						
1	±5	1.5	15	285-1779-ND	53.55 47.25	KMD1555
	±5	4	40	285-1774-ND	79.56 70.20	KMD4055
	±12	0.62	15	285-1759-ND	53.55 47.25	KMD151212
	±12	1.66	40	285-1761-ND	79.56 70.20	KMD401212
	±15	0.50	15	285-1760-ND	53.55 47.25	KMD151515
	±15	1.33	40	285-1762-ND	79.56 70.20	KMD401515
1	5/12	1.25	40	285-1780-ND	79.56 70.20	KMD40512
	5/24	0.62	40	285-1781-ND	79.56 70.20	KMD40524
NEW! Triple Output — Medical Approved NEW!						
1	5/±12	0.20	15	285-1775-ND	69.62 61.43	KMT1551212
	5/±12	0.60	40	285-1777-ND	94.48 83.37	KMT4051212
	5/±15	0.15	15	285-1776-ND	69.62 61.43	KMT1551515
	5/±15	0.50	40	285-1778-ND	94.48 83.37	KMT4051515

Fig.	Output Voltage (V)	Output Current (A)	Power (W)	Digi-Key Part No.	Price Each 1 10	Lambda Part No.
Single Output						
2	5	1	5	285-1436-ND	51.00 47.00	KWS5-5
	5	2	10	285-1430-ND	65.00 59.00	KWS10-5
	5	3	15	285-1433-ND	76.00 70.00	KWS15-5
	12	0.45	5	285-1434-ND	51.00 47.00	KWS5-12
	12	0.9	10	285-1428-ND	65.00 59.00	KWS10-12
	12	1.3	15	285-1431-ND	76.00 70.00	KWS15-12
3	15	0.35	5	285-1435-ND	51.00 47.00	KWS5-15
	15	0.7	10	285-1429-ND	65.00 59.00	KWS10-15
	15	1	15	285-1432-ND	76.00 70.00	KWS15-15
	12	33	396	285-1493-ND	273.00 245.00	PFE500S12
	28	18	504	285-1494-ND	273.00 245.00	PFE500S28
	48	10.5	504	285-1495-ND	273.00 245.00	PFE500S48
Dual Output						
2	±12	±0.22	5	285-1426-ND	58.00 53.00	KWD5-1212
	±12	±0.45	10	285-1422-ND	73.00 67.00	KWD10-1212
	±12	±0.65	15	285-1424-ND	86.00 79.00	KWD15-1212
	±15	±0.18	5	285-1427-ND	45.71 44.47	KWD5-1515
	±15	±0.36	10	285-1423-ND	73.00 67.00	KWD10-1515
	±15	±0.52	15	285-1425-ND	86.00 79.00	KWD15-1515



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