



P-DUKE
POWER

AC/DC Power Supplies DC/DC Converters

Product Portfolio



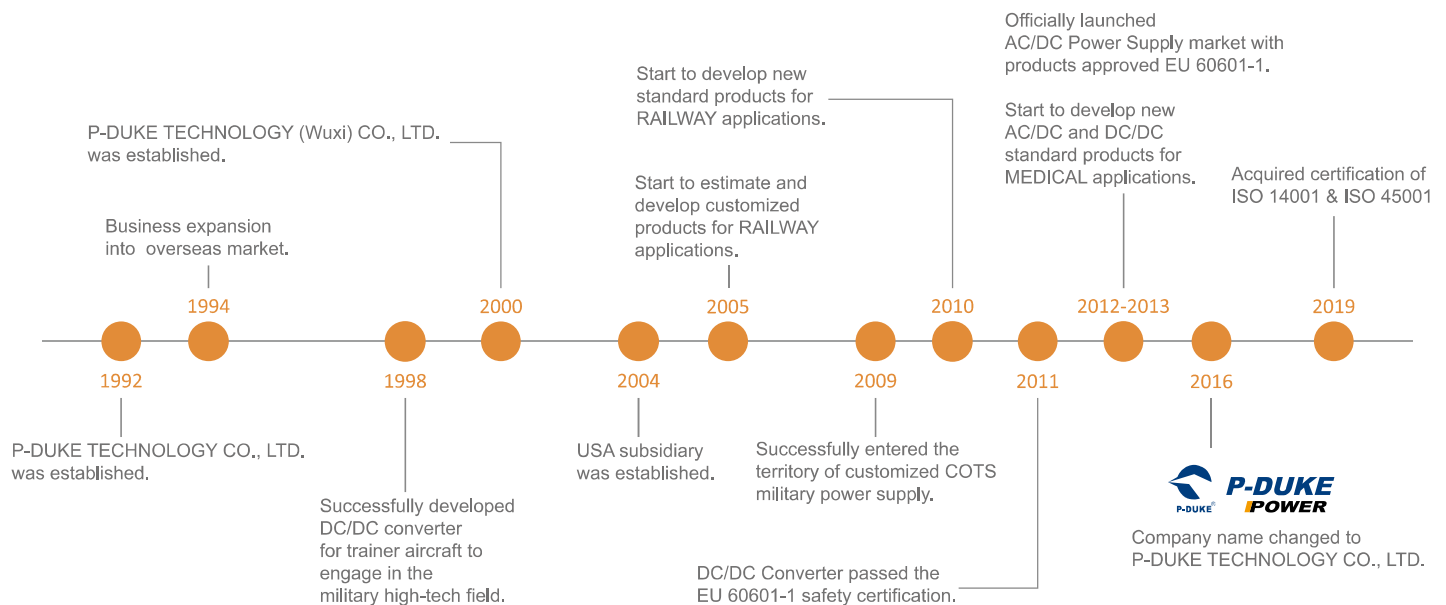
COMPANY PROFILE

Founded in 1992, P-DUKE 100% concentrated on the research, development, production, sales and service of DC/DC Converters and related products. With products sold under our own brand name, P-DUKE to Europe, America, and Japan, we accumulate great skills through years of experience and open up better product awareness which leads to further cooperation with world-famous companies, making P-DUKE an important role in the global market.



Through multiple methods, P-DUKE keeps following up the ever-changing pulse of power industry, and performs our 3S commitments to the highest. We provide a full range of product line, from standard types to customized products. Even the application engineering service of the final product systems is also our forte. What we have and what we do is exactly what you need, and this is why P-DUKE makes an irreplaceable role among customers and partners.

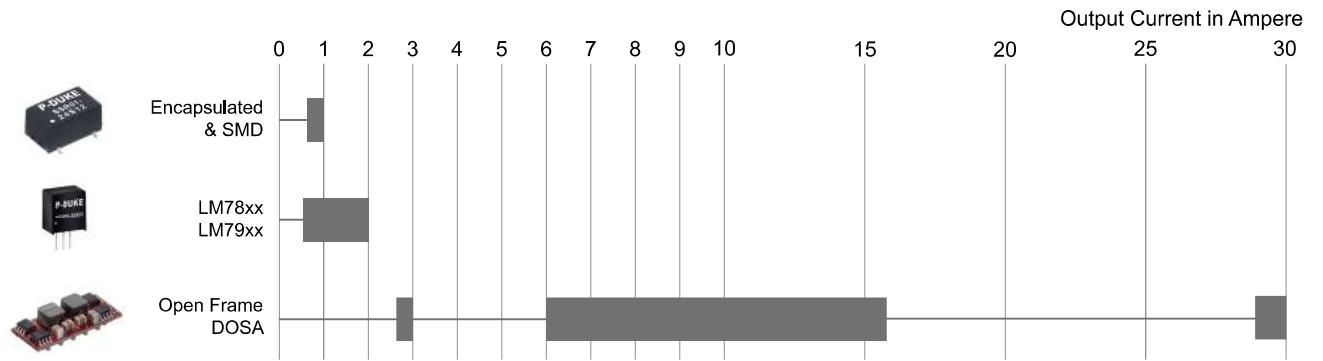
We expand our own brand, P-DUKE through various marketing channels to construct a worldwide network. Apart from stabilizing the existing markets, P-DUKE operates strategy management on Niche markets by changing from distribution to local direct selling. With the faith we hold, "Global Logistic, Local Management", we'll keep pushing new innovations toward power modules and therefore creating a full range of product line.



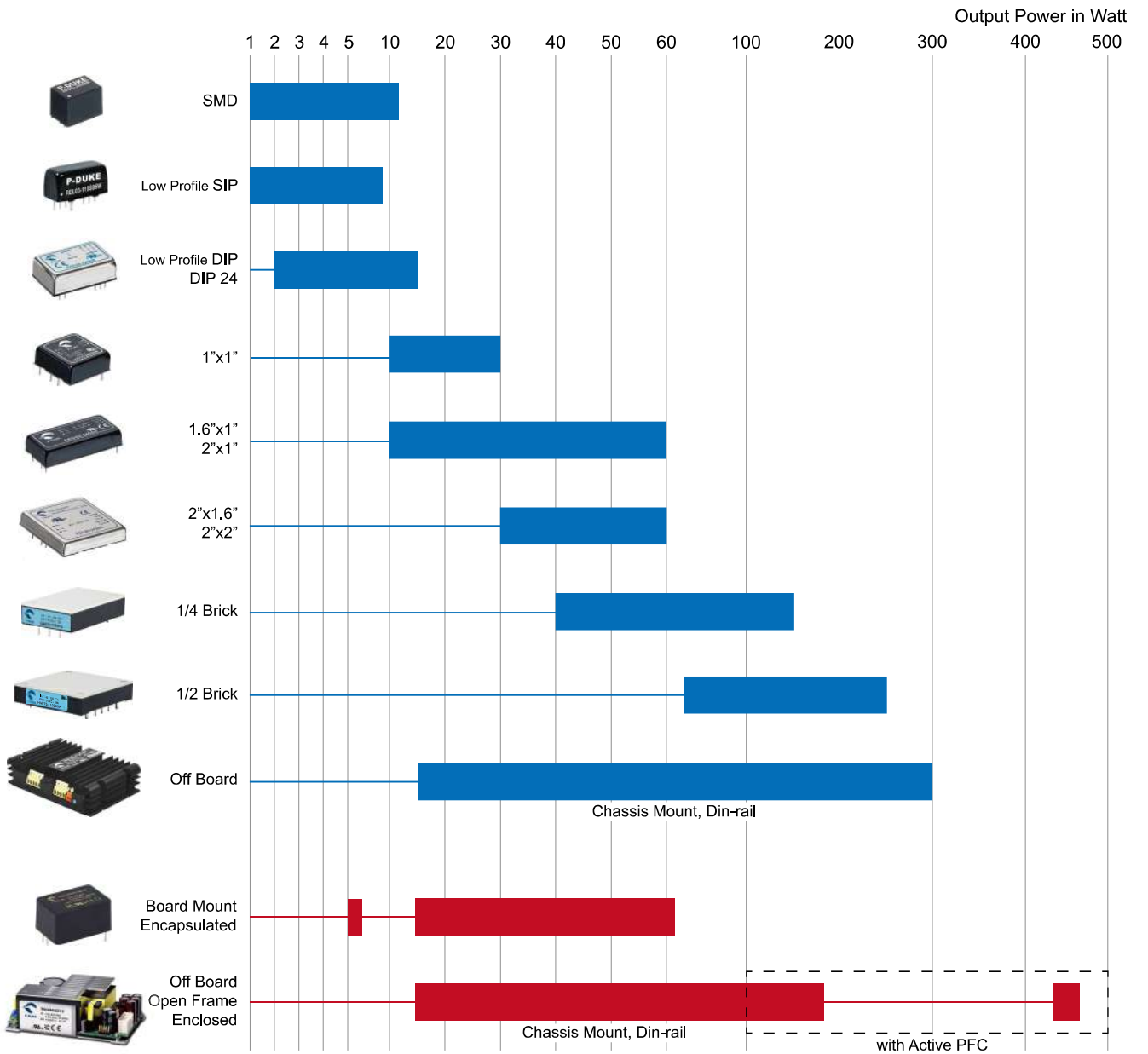
P-DUKE has engaged in developing DC/DC converters for 30 years, with abundant experience and knowledge, we can support our customers for providing the best solution to the application according to different requirements. It is important for AC/DC and DC/DC possessing high reliability and longevity as they always stand an important position in a system. Base on that, P-DUKE devotes to quality of each product as well as customer service in order to bring enormous benefit to our customers.



Non-isolated DC/DC



Isolated DC/DC



AC/DC

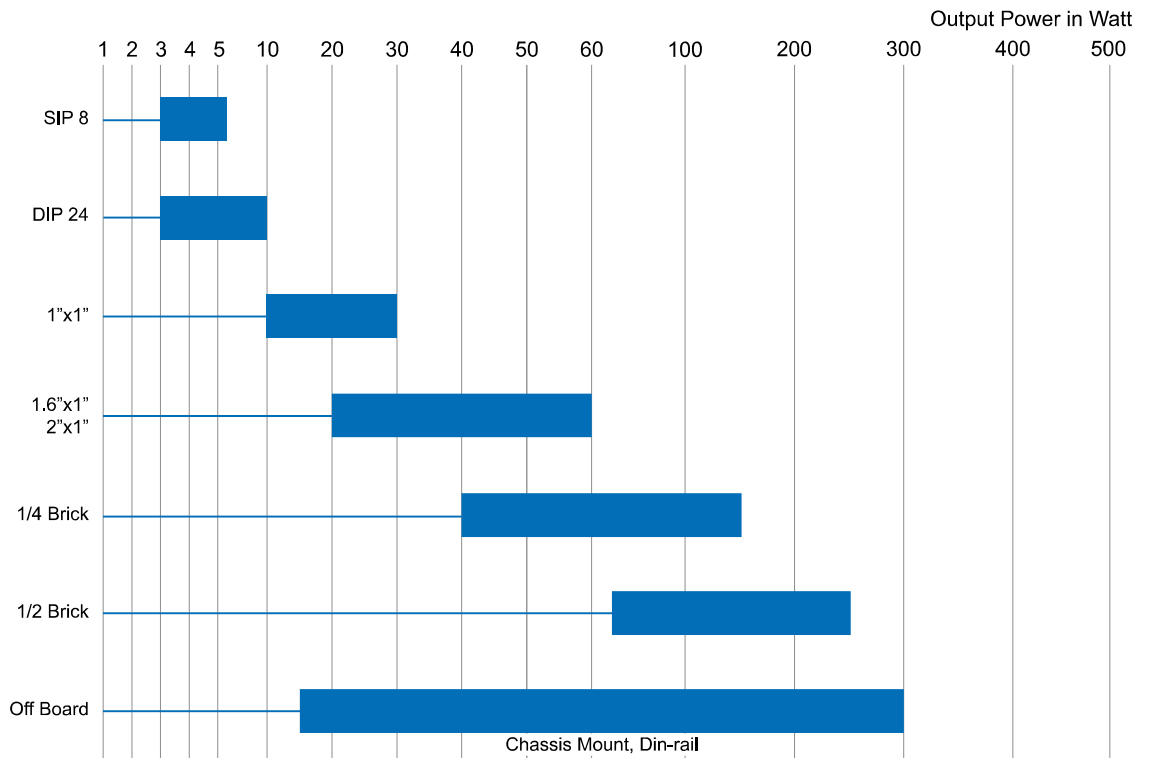


RAILWAY



IEC 62368-1 | EN 50155 : 2017 | EN 45545-2 | EN 61373

Isolated DC/DC

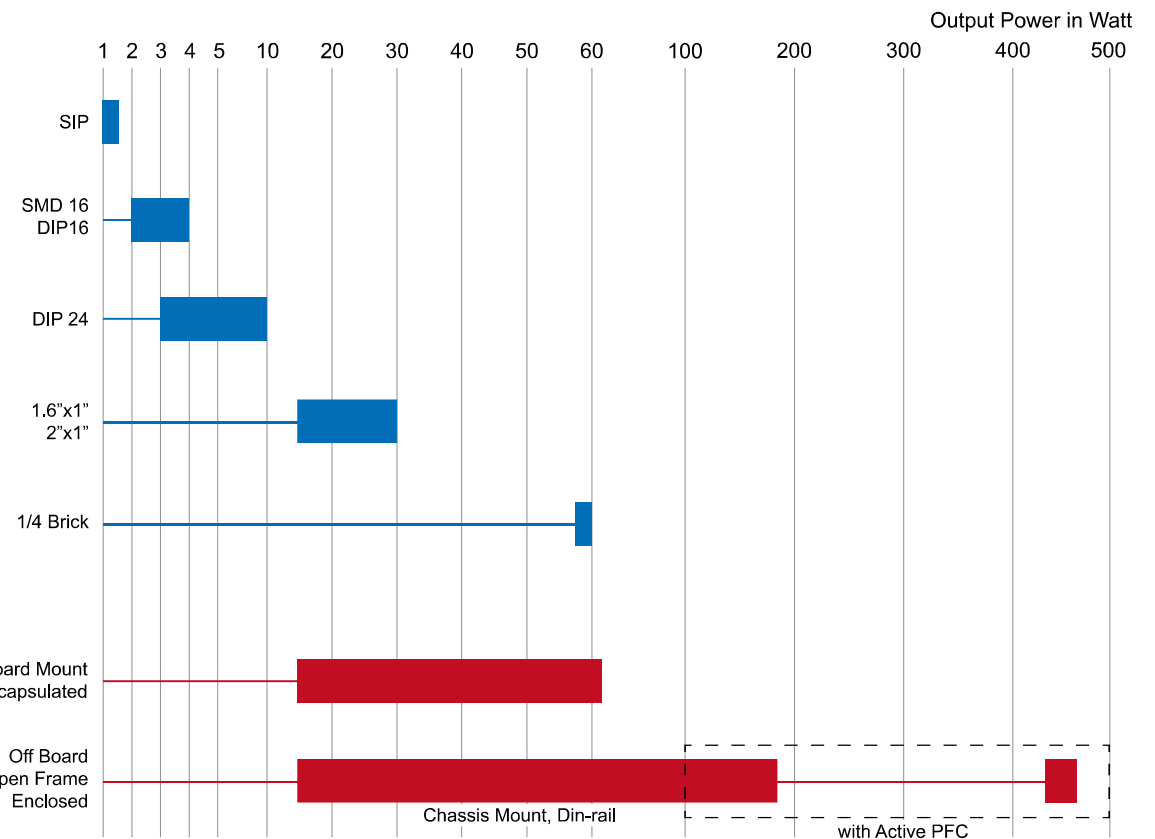


MEDICAL



IEC 62368-1 | IEC 60601-1 Edition 3.1 | IEC 60601-1-2 4th Edition | ISO 13485 | ISO 14971

Isolated DC/DC



AC/DC



with Active PFC



GENERAL INDUSTRY

AC/DC POWER SUPPLIES

Series	Output Power (W)	Input Voltage (VAC)	Output Voltage (VDC)	Eff. (%)	Isolation Voltage	Dimensions (Inch)
NEW PSC06HS * DVC III	6	85 - 530	5, 12, 15, 24	75	4000 VAC	Encapsulated 2.07 x 1.08 x 0.91
TSC15	15	85 - 264	3.3, 5, 7.5, 9, 12, 15, 18, 24, 28, 36, 48, 53	89	3000 VAC	Encapsulated 2.82 x 1.14 x 0.82
TSD30 TSD30-P	30			91.5		Encapsulated 3.95 x 1.50 x 1.00
TSD40	40		5, 7.5, 9, 12, 15, 18, 24, 28, 36, 48, 53	93		Encapsulated 4.30 x 2.20 x 1.20
TSD65	65			93.5		
TAC15	15		3.3, 5, 7.5, 9, 12, 15, 18, 24, 28, 36, 48, 53	89		Open Frame 2.61 x 1.00 x 0.62
TAD30 TAD30-P	30			91.5		Open Frame 3.34 x 1.36 x 0.77
TAD40 Single * IEC 61850-3	40		5, 7.5, 9, 12, 15, 18, 24, 28, 36, 48, 53	93		Open Frame/ Enclosed 3.00 x 2.00 x 0.94
TAD65 Single TAD65-P * IEC 61850-3	65			93.5		
TAD40 Multi * IEC 61850-3	40		5/ 3.3, 12/ 5, 12/ 3.3, 15/ 5, 24/ 5, 28/ 5, 5/ 3.3/ -5, 5/ 3.3/ 12, 5/ 3.3/ -12, 12/ 5/ -5, 12/ 5/ -12, 12/ 3.3/ 5, 12/ 3.3/ -12, 15/ 5/ -15, 24/ 5/ 12, 24/ 5/ -12	90		Open Frame/ Enclosed 3.50 x 2.00 x 0.98
TAD65 Multi * IEC 61850-3	65			90.5		
TAD100	100		12, 15, 24, 28, 36, 48	92		Open Frame/ Enclosed 3.00 x 2.00 x 1.16
TAD125	125			92		
TAF150	150		12, 15, 24, 28, 36, 48	92		Open Frame/ Enclosed 4.00 x 2.00 x 1.16
NEW TAD180 * DVC III	180		12, 15, 18, 24, 28, 36, 48, 53	94		Open Frame/ Enclosed 3.00 x 2.00 x 1.24
TAH450	450	12, 15, 24, 28, 36, 48, 53	94	Open Frame/ Enclosed 5.00 x 3.00 x 1.58		

AC/DC POWER SUPPLIES

NON-ISOLATED DC/DC CONVERTERS


Series	Output Current (A)	Input Voltage (VDC)	Output Voltage (VDC)	Eff. (%)	Isolation Voltage	Dimensions (Inch)
HSRP6	0.6	Ultra 9 - 72	3.3, 5, 6.5, 9, 12, 15, 24	94	None	LM78xx 0.47 x 0.34 x 0.53
HSR01	1			93		LM78xx 0.48 x 0.34 x 0.69
ASR01	1	-7 - -32	-5, -5.2, -6, -8, -9, -12, -15	96		LM79xx 0.46 x 0.30 x 0.65
NSR01	1	4.6 - 36	1.2, 1.5, 1.8, 2.5, 3, 3.3, 5, 6.5, 9, 12, 15 *negative output application available	95.5		LM78xx 0.46 x 0.30 x 0.40
PSR1.0	1			96		
LSR01	1	3.0 - 36	1.2, 1.5, 1.8, 2.5, 3.3, 5.0, 6.5, 9.0, 12, 15	96		SMD 0.60 x 0.37 x 0.30
SSR01	1			95.5		
PSR02	2		1.2, 1.5, 1.8, 2.5, 3.3, 5, 6.5, 9, 12, 15	96		LM78xx 0.55 x 0.30 x 0.40
OSR03	3	2.5 - 30	0.59 - 15 *negative output application available	95		SIP 0.37 x 0.24 x 0.61
DOS06 DOH06	6	2.4 - 5.5 8.3 - 14	0.75 - 5.0	94		SMD / SIP 0.80 x 0.45 x 0.25
DOS10 DOH10	10			95		
DOS16 DOH16	16			95		
DOS30 DOH30	30	4.5 - 14	0.8 - 5.5	93	SMD / SIP 1.30 x 0.53 x 0.31	

NON-ISOLATED DC/DC CONVERTERS










ISOLATED DC/DC CONVERTERS

SMALL SIZE & LOW PROFILE PACKAGE | 1 - 9W





ISOLATED DC/DC CONVERTERS

Series	Output Power (W)	Input Voltage (VDC)	Output Voltage (VDC)	Eff. (%)	Isolation Voltage	Dimensions (Inch)						
 EUR01	1	3.3, 5, 12, 15, 24 * ±10%	3.3, 5, 9, 12, 15, 24 * Unregulated	81	3000 VDC 1600 VDC	SIP 0.45 x 0.24 x 0.39						
 DU1P0	1	5, 12, 15, 24 * ±10%	5, 12, 15, ±5, ±12, ±15 * Unregulated	82	3000 VDC 1600 VDC	SIP 0.77 x 0.24 x 0.40						
 UDS/H01	1	<table border="1"> <tr> <td>2:1</td> <td>4.5 - 13.2</td> <td>9 - 18</td> </tr> <tr> <td></td> <td>18 - 36</td> <td>36 - 75</td> </tr> </table>	2:1	4.5 - 13.2	9 - 18		18 - 36	36 - 75	3.3, 5, 9, 12, 15, 24, ±5, ±12, ±15	83	1600 VDC	SMD / SIP 0.47 x 0.44 x 0.31
2:1	4.5 - 13.2		9 - 18									
	18 - 36		36 - 75									
 UDS/H02	2	84										
 UDS/H03	3	84										
 SDS/H01	1	<table border="1"> <tr> <td>2:1</td> <td>4.5 - 9</td> <td>9 - 18</td> </tr> <tr> <td></td> <td>18 - 36</td> <td>36 - 75</td> </tr> </table>	2:1	4.5 - 9	9 - 18		18 - 36	36 - 75	3.3, 5, 9, 12, 15, 24, ±5, ±12, ±15	83	3000 VDC 1600 VDC	SMD / DIP 0.52 x 0.36 x 0.40
2:1	4.5 - 9		9 - 18									
	18 - 36		36 - 75									
 SDS/H01W	1		86									
 SDS/H02	2	<table border="1"> <tr> <td>4:1</td> <td>4.5 - 18</td> <td>9 - 36</td> </tr> <tr> <td></td> <td>18 - 75</td> <td></td> </tr> </table>	4:1	4.5 - 18	9 - 36		18 - 75		84			
4:1	4.5 - 18		9 - 36									
	18 - 75											
 SDS/H02W	2		86									
 SDS/H03W	3	<table border="1"> <tr> <td>4:1</td> <td>4.5 - 18</td> <td>9 - 36</td> </tr> <tr> <td></td> <td>18 - 75</td> <td></td> </tr> </table>	4:1	4.5 - 18	9 - 36		18 - 75		84			
4:1	4.5 - 18		9 - 36									
	18 - 75											
 SDS/H05	5	<table border="1"> <tr> <td>2:1</td> <td>4.5 - 13.2</td> <td>9 - 18</td> </tr> <tr> <td></td> <td>18 - 36</td> <td>36 - 75</td> </tr> </table>	2:1	4.5 - 13.2	9 - 18		18 - 36	36 - 75	86			
2:1	4.5 - 13.2		9 - 18									
	18 - 36	36 - 75										
 SDS/H05W	5	<table border="1"> <tr> <td>4:1</td> <td>9 - 36</td> <td>18 - 75</td> </tr> </table>	4:1	9 - 36	18 - 75	86						
4:1	9 - 36	18 - 75										
 PDS/H02	2	<table border="1"> <tr> <td>2:1</td> <td>4.5 - 9</td> <td>9 - 18</td> </tr> <tr> <td></td> <td>18 - 36</td> <td>36 - 75</td> </tr> </table>	2:1	4.5 - 9	9 - 18		18 - 36	36 - 75	3.3, 5, 9, 12, 15, ±5, ±12, ±15	84	3000 VDC 1600 VDC	SMD / DIP 0.74 x 0.50 x 0.34
2:1	4.5 - 9		9 - 18									
	18 - 36	36 - 75										
 PDS/H02W	2	84										
 PDS/H03	3	<table border="1"> <tr> <td>4:1</td> <td>4.5 - 18</td> <td>9 - 36</td> </tr> <tr> <td></td> <td>18 - 75</td> <td></td> </tr> </table>	4:1	4.5 - 18	9 - 36		18 - 75		3.3, 5, 9, 12, 15, ±5, ±12, ±15	83	3000 VDC 1600 VDC	SMD / DIP 0.74 x 0.50 x 0.34
4:1	4.5 - 18		9 - 36									
	18 - 75											
 PDS/H03W	3	83										
 EDL02	2	<table border="1"> <tr> <td>2:1</td> <td>4.5 - 13.2</td> <td>9 - 18</td> </tr> <tr> <td></td> <td>18 - 36</td> <td>36 - 75</td> </tr> </table>	2:1	4.5 - 13.2	9 - 18		18 - 36	36 - 75	3.3, 5, 9, 12, 15, 24 ±5, ±12, ±15	86	1600 VDC	SIP 0.86 x 0.36 x 0.44
2:1	4.5 - 13.2		9 - 18									
	18 - 36	36 - 75										
 EDL02W	2	86										
 EDL03	3	<table border="1"> <tr> <td>4:1</td> <td>4.5 - 18</td> <td>9 - 36</td> </tr> <tr> <td></td> <td>18 - 75</td> <td></td> </tr> </table>	4:1	4.5 - 18	9 - 36		18 - 75		3.3, 5, 9, 12, 15, 24, ±5, ±12, ±15	85	1600 VDC	SIP 0.86 x 0.36 x 0.44
4:1	4.5 - 18	9 - 36										
	18 - 75											
 EDL03W	3	85										
 LDL03	3	<table border="1"> <tr> <td>2:1</td> <td>4.5 - 13.2</td> <td>9 - 18</td> </tr> <tr> <td></td> <td>18 - 36</td> <td>36 - 75</td> </tr> </table>	2:1	4.5 - 13.2	9 - 18		18 - 36	36 - 75	3.3, 5, 9, 12, 15, 24, ±5, ±12, ±15	85	1600 VDC	SIP 0.86 x 0.36 x 0.44
2:1	4.5 - 13.2	9 - 18										
	18 - 36	36 - 75										
 PDL02	2	84										
 PDL03	3	<table border="1"> <tr> <td>2:1</td> <td>4.5 - 9</td> <td>9 - 18</td> </tr> <tr> <td></td> <td>18 - 36</td> <td>36 - 75</td> </tr> </table>	2:1	4.5 - 9	9 - 18		18 - 36	36 - 75	3.3, 5, 9, 12, 15, ±5, ±12, ±15	85	3000 VDC 1600 VDC	SIP 0.86 x 0.36 x 0.44
2:1	4.5 - 9		9 - 18									
	18 - 36	36 - 75										
 PDL03W	3	<table border="1"> <tr> <td>4:1</td> <td>4.5 - 18</td> <td>9 - 36</td> </tr> <tr> <td></td> <td>18 - 75</td> <td></td> </tr> </table>	4:1	4.5 - 18	9 - 36		18 - 75		85			
4:1	4.5 - 18	9 - 36										
	18 - 75											
 PDL06	6	<table border="1"> <tr> <td>2:1</td> <td>4.5 - 9</td> <td>9 - 18</td> </tr> <tr> <td></td> <td>18 - 36</td> <td>36 - 75</td> </tr> </table>	2:1	4.5 - 9	9 - 18		18 - 36	36 - 75	3.3, 5, 9, 12, 15, 24, ±5, ±12, ±15	88	1600 VDC	SIP 0.86 x 0.36 x 0.44
2:1	4.5 - 9		9 - 18									
	18 - 36	36 - 75										
 PDL06W	6	<table border="1"> <tr> <td>4:1</td> <td>9 - 36</td> <td>18 - 75</td> </tr> </table>	4:1	9 - 36	18 - 75	88						
4:1	9 - 36	18 - 75										
 PDL09	9	<table border="1"> <tr> <td>2:1</td> <td>9 - 18</td> <td>18 - 36</td> </tr> <tr> <td></td> <td>36 - 75</td> <td></td> </tr> </table>	2:1	9 - 18	18 - 36		36 - 75		3.3, 5, 9, 12, 15, 24, ±5, ±12, ±15	90	1600 VDC	SIP 0.86 x 0.36 x 0.44
2:1	9 - 18		18 - 36									
	36 - 75											
 PDL09W	9	<table border="1"> <tr> <td>4:1</td> <td>9 - 36</td> <td>18 - 75</td> </tr> </table>	4:1	9 - 36	18 - 75	90						
4:1	9 - 36	18 - 75										
 RDL03W	3	<table border="1"> <tr> <td>4:1</td> <td>9 - 36</td> <td>18 - 75</td> </tr> </table>	4:1	9 - 36	18 - 75	3.3, 5, 9, 12, 15, 24, ±5, ±12, ±15	83	3000 VDC	SIP 0.86 x 0.36 x 0.44			
4:1	9 - 36		18 - 75									
 RDL06W	6	<table border="1"> <tr> <td></td> <td>43 - 160</td> <td></td> </tr> </table>		43 - 160		87						
	43 - 160											




DIP 24 PACKAGE | 3 - 15W

Series	Output Power (W)	Input Voltage (VDC)	Output Voltage (VDC)	Eff. (%)	Isolation Voltage	Dimensions (Inch)						
 FKC03	3	<table border="1"> <tr> <td>2:1</td> <td>9 - 18</td> <td>18 - 36</td> </tr> <tr> <td></td> <td>36 - 75</td> <td></td> </tr> </table>	2:1	9 - 18	18 - 36		36 - 75		3.3, 5, 12, 15, ±5, ±12, ±15	82	1600 VDC	DIP 24 / SMD 24 1.25 x 0.80 x 0.40
2:1	9 - 18	18 - 36										
	36 - 75											
 FKC05	5	<table border="1"> <tr> <td>2:1</td> <td>9 - 18</td> <td>18 - 36</td> </tr> <tr> <td></td> <td>36 - 75</td> <td></td> </tr> </table>	2:1	9 - 18	18 - 36		36 - 75		3.3, 5, 12, 15, ±5, ±12, ±15	84		
2:1		9 - 18	18 - 36									
	36 - 75											
 FKC05W	<table border="1"> <tr> <td>4:1</td> <td>9 - 36</td> <td>18 - 75</td> </tr> </table>	4:1	9 - 36	18 - 75	84							
4:1	9 - 36	18 - 75										
 FKC08	8	<table border="1"> <tr> <td>2:1</td> <td>9 - 18</td> <td>18 - 36</td> </tr> <tr> <td></td> <td>36 - 75</td> <td></td> </tr> </table>	2:1	9 - 18	18 - 36		36 - 75		3.3, 5, 12, 15, ±5, ±12, ±15	88		
2:1		9 - 18	18 - 36									
	36 - 75											
 FKC08W	<table border="1"> <tr> <td>4:1</td> <td>9 - 36</td> <td>18 - 75</td> </tr> <tr> <td></td> <td>43 - 160</td> <td></td> </tr> </table>	4:1	9 - 36	18 - 75		43 - 160		88				
4:1	9 - 36	18 - 75										
	43 - 160											
 FKC12	12	<table border="1"> <tr> <td>2:1</td> <td>9 - 18</td> <td>18 - 36</td> </tr> <tr> <td></td> <td>36 - 75</td> <td></td> </tr> </table>	2:1	9 - 18	18 - 36		36 - 75		2.5, 3.3, 5.1, 12, 15, ±5, ±12, ±15	88	1600 VDC	DIP 24 1.25 x 0.80 x 0.40
2:1	9 - 18	18 - 36										
	36 - 75											
 FKC12W	<table border="1"> <tr> <td>4:1</td> <td>9 - 36</td> <td>18 - 75</td> </tr> </table>	4:1	9 - 36	18 - 75	88							
4:1	9 - 36	18 - 75										
 FKC15	15	<table border="1"> <tr> <td>2:1</td> <td>9 - 18</td> <td>18 - 36</td> </tr> <tr> <td></td> <td>36 - 75</td> <td></td> </tr> </table>	2:1	9 - 18	18 - 36		36 - 75		3.3, 5.1, 12, 15, ±5, ±12, ±15	91	1600 VDC	DIP 24 1.25 x 0.80 x 0.40
2:1		9 - 18	18 - 36									
	36 - 75											
 FKC15W	<table border="1"> <tr> <td>4:1</td> <td>9 - 36</td> <td>18 - 75</td> </tr> </table>	4:1	9 - 36	18 - 75	91							
4:1	9 - 36	18 - 75										





DIP 24 PACKAGE | 3 - 15W

Series	Output Power (W)	Input Voltage (VDC)	Output Voltage (VDC)	Eff. (%)	Isolation Voltage	Dimensions (Inch)
 LKC05W	5	4:1 4.5 - 12 9 - 36 18 - 75	3.3, 5, 12, 15, 24, ±5, ±12, ±15, ±24	89	1600 VDC	DIP 24 1.25 x 0.80 x 0.40
 NEW RHK03W	3		3.3, 5, 12, 15, 24 ±5, ±12, ±15	85	3000 VAC	
 NEW RHK06W	6	4:1 36 - 160	3.3, 5, 12, 15, 24 ±5, ±12, ±15	86.5		
 NEW RHK10W	10		3.3, 5, 5.1, 12, 15, 24 ±5, ±12, ±15	88		



1" x 1" PACKAGE | 10 - 30W

Series	Output Power (W)	Input Voltage (VDC)	Output Voltage (VDC)	Eff. (%)	Isolation Voltage	Dimensions (Inch)
LCD10 LCD10W	10		3.3, 5, 12, 15, 24, ±5, ±12, ±15	91	1600 VDC	DIP 1.00 x 1.00 x 0.39
LCD15 LCD15W	15	2:1 9 - 18 18 - 36 36 - 75	3.3, 5, 12, 15, 24 ±5, ±12, ±15, ±24	91		
LCD20 LCD20W	20	4:1 9 - 36 18 - 75	3.3, 5, 12, 15, 24 ±12, ±15, ±24	92		
LCD30 LCD30W	30		3.3, 5, 12, 15, 24 ±12, ±15, ±24	93		
 RCD10W	10	4:1 9 - 36 18 - 75 36 - 160	3.3, 5, 12, 15, 24, ±5, ±12, ±15, ±24	90	3000 VDC 2250 VDC	
RCD15 RCD15W	15	2:1 9 - 18 18 - 36 36 - 75 4:1 9 - 36 18 - 75 36 - 160	3.3, 5, 12, 15, 24, ±5, ±12, ±15, ±24	91		
RCD20W	20	4:1 9 - 36 18 - 75 36 - 160	3.3, 5, 5.1, 12, 15, 24, ±12, ±15, ±24	91		
NEW RCD20U	20	Ultra 9 - 75 14 - 160	5, 12, 15, 24, ±12, ±15	88		
 NEW RCD30W	30	4:1 9 - 36 18 - 75 36 - 160	3.3, 5, 5.1, 12, 15, 24, ±12, ±15, ±24	92	3000 VDC 2250 VDC	
 LED15 LED15W	15	2:1 18 - 36 36 - 75 4:1 9 - 36 18 - 75	3.3, 5, 12, 15	88	2250 VDC	


1.6" x 1" & 2" x 1" PACKAGE | 10 - 60W

Series	Output Power (W)	Input Voltage (VDC)	Output Voltage (VDC)	Eff. (%)	Isolation Voltage	Dimensions (Inch)
 NEW RHM20W	20	4:1 36 - 160	5, 5.1, 12, 15, 24, ±5, ±12, ±15	90.5	3000 VAC	DIP 1.60 x 1.00 x 0.40
FDC10 FDC10W	10		3.3, 5, 12, 15, ±5, ±12, ±15	87	1600 VDC	DIP 2.00 x 1.00 x 0.40
FEC15 FEC15W	15		3.3, 5, 5.1, 12, 15, ±5, ±12, ±15	88		
FED20 FED20W	20		1.5, 1.8, 2.5, 3.3, 5, 12, 15, ±5, ±12, ±15	89		
FED30 FED30W	30	2:1 9 - 18 18 - 36 36 - 75 4:1 9 - 36 18 - 75	1.5, 2.5, 3.3, 5, 5.1, 12, 15, ±5, ±12, ±15, 3.3 / ±12, 3.3 / ±15, 5 / ±12, 5 / ±15	91		
 EED40 EED40W	40		3.3, 5, 12, 15, 24, ±12, ±15, ±24	93	3000 VDC	
 FED60 FED60W	60		3.3, 5, 12, 15, 24, ±12, ±15, ±24	92		
RED20W	20	4:1 9 - 36 18 - 75 43 - 160	3.3, 5, 12, 15, ±12, ±15	89		
RED40W	40	4:1 9 - 36 18 - 75 36 - 160	3.3, 5, 12, 15, 24, 48, 53, ±12, ±15, ±24	93	3000 VDC	
RED60W	60		3.3, 5, 5.1, 12, 15, 24, 48, 53, ±12, ±15, ±24	94		
 NEW RHD40W	40	4:1 36 - 160	5, 5.1, 12, 15, 24, ±12, ±15	90	3000 VAC	


2" x 1.6" & 2" x 2" PACKAGE | 15 - 60W

Series	Output Power (W)	Input Voltage (VDC)	Output Voltage (VDC)	Eff. (%)	Isolation Voltage	Dimensions (Inch)
 FDC20 FDC20W FEC30 FEC30W	20	2:1 9 - 18 18 - 36 36 - 75 4:1 9 - 36 18 - 75	3,3, 5, 12, 15, ±5, ±12, ±15 3,3 / ±12, 3,3 / ±15, 5 / ±12, 5 / ±15	87	1600 VDC	DIP 2.00 x 1.60 x 0.40
	30	2:1 9 - 18 18 - 36 36 - 75 4:1 10 - 40 18 - 75	1,5, 1,8, 2,5, 3,3, 5, 12, 15, ±12, ±15	90		
 FEC40 FEC40W FEC60	40	2:1 9 - 18 18 - 36 36 - 75 4:1 9 - 36 18 - 75	1,5, 1,8, 2,5, 3,3, 5, 12, 15, ±12, ±15, 3,3 / 5, 3,3 / ±12, 3,3 / ±15, 5 / ±12, 5 / ±15	90		DIP 2.00 x 2.00 x 0.40
	60	2:1 9 - 18 18 - 36	3,3, 5, 12, 15, 24	91		


QUARTER BRICK PACKAGE | 40 - 132W



Series	Output Power (W)	Input Voltage (VDC)	Output Voltage (VDC)	Eff. (%)	Isolation Voltage	Dimensions (Inch)
 QAE40U QAE60U QAE100U QAE100 QAE100W QAE150 QAE150W	40			91	3000 VAC 2250 VDC	Quarter Brick 2.28 x 1.45 x 0.50
	60	Ultra 9 - 75 14 - 160	5, 12, 15, 24, 28, 48, 53	91		
	100			90		
	108	2:1 8,5 - 22 16,5 - 36 33 - 75 4:1 8,5 - 36 16,5 - 75 40 - 160	3,3, 5, 12, 15, 24, 30, 48	93		
	150			92		

HALF BRICK PACKAGE | 75 - 255W

Series	Output Power (W)	Input Voltage (VDC)	Output Voltage (VDC)	Eff. (%)	Isolation Voltage	Dimensions (Inch)
 HAE75W HAE100 HAE100W HAE150 HAE150W HAE200 HAE200W NEW HAE150U NEW HAE200U	75	4:1 9 - 36 18 - 75 43 - 160		91	3000 VAC 3000 VDC	Half Brick 2.40 x 2.28 x 0.50
	100	2:1 9 - 18 18 - 36 36 - 75 4:1 8,5 - 36 16,5 - 75 43 - 160	3,3, 5, 12, 15, 24, 28, 48	93		
		2:1 8,5 - 22 16,5 - 36 33 - 75		93		
		4:1 8,5 - 36 16,5 - 75 43 - 160	3,3, 5, 12, 15, 24, 28, 48, 53	93		
	150	Ultra 16 - 160	5, 12, 15, 24, 28, 48, 53	92.5		
	200			92		

OFF BOARD | 15 - 60W



Series	Output Power (W)	Input Voltage (VDC)	Output Voltage (VDC)	Eff. (%)	Isolation Voltage	Dimensions (Inch)
 UFEC15W UFED20 UFED20W URED20W UFEC30 UFEC30W UFEC40 UFEC40W UFED40W UFEC60	15	4:1 9,5 - 36 18 - 75	3,3, 5, 5,1, 12, 15, ±5, ±12, ±15	87	1600 VDC	Wall Mount / Din-rail 4.00 x 2.25 x 0.75
	20	2:1 9,5 - 18 18 - 36 36 - 75 4:1 9,5 - 36 18 - 75	3,3, 5, 12, 15, ±5, ±12, ±15	88		
		20	4:1 9 - 36 18 - 75 43 - 160	3,3, 5, 12, 15, ±12, ±15	88	
	30	2:1 9,5 - 18 18 - 36 36 - 75 4:1 10 - 40 18 - 75	3,3, 5, 12, 15, 24, 28 ±12, ±15	89	1600 VDC	
		40	2:1 9,5 - 18 18 - 36 36 - 75 4:1 9,5 - 36 18 - 75	3,3, 5, 12, 15, 24, 28 ±12, ±15, 3,3 / ±12, 3,3 / ±15, 5 / ±12, 5 / ±15		
	40	4:1 9,5 - 36 18 - 75 43 - 160	3,3, 5, 12, 15, 24, ±12, ±15, ±24	91	3000 VDC 1600 VDC	
	60	2:1 18 - 36 36 - 75	3,3, 5, 12, 15, 24	89	1600 VDC	

Series	Output Power (W)	Input Voltage (VDC)	Output Voltage (VDC)	Eff. (%)	Isolation Voltage	Dimensions (Inch)
 HAE75W-T HAE100-T HAE100W-T HAE150-T HAE150W-T HAE200-T HAE200W-T	75	4:1 9 - 36 18 - 75 43 - 160	3,3, 5, 12, 15, 24, 28, 48	91	3000 VAC 3000 VDC	Wall Mount 3.35 x 2.40 x 1.59
	100	2:1 9 - 18 18 - 36 36 - 75		93		
		4:1 8,5 - 36 16,5 - 75 43 - 160				
	182	2:1 8,5 - 22 16,5 - 36 33 - 75		93		
255	4:1 8,5 - 36 16,5 - 75 43 - 160	93				
 WAF150W WAD150W WAF300W	150	4:1 9 - 36 18 - 75 43 - 160	12, 15, 24, 28, 48	89	3000 VDC 2250 VDC	Wall Mount 3.86 x 2.56 x 0.67
	300	4:1 18 - 75 43 - 160	12, 15, 24, 28, 48	92	3000 VAC	Wall Mount / Din-rail 6.00 x 4.00 x 1.52







RAILWAY


DC/DC CONVERTERS

Series	Output Power (W)	Input Voltage (VDC)	Output Voltage (VDC)	Eff. (%)	Isolation Voltage	Dimensions (Inch)		
 RDL03W RDL06W	3 * -55°C	4:1 9 - 36 18 - 75 43 - 160	3,3, 5, 9, 12, 15, 24, ±5, ±12, ±15	83	3000 VDC	SIP 8 0.86 x 0.36 x 0.44		
	6 * -55°C			87				
 FKC08W	8 * -55°C		3,3, 5, 12, 15, ±5, ±12, ±15	88	1600 VDC	DIP 24 1.25 x 0.80 x 0.40		
 NEW RHK03W NEW RHK06W NEW RHK10W	3		3,3, 5, 12, 15, 24, ±5, ±12, ±15	85	3000 VAC			
	6	4:1 36 - 160	3,3, 5, 12, 15, 24, ±5, ±12, ±15	86,5				
	10		3,3, 5, 5.1, 12, 15, 24, ±5, ±12, ±15	88				
 RCD10W RCD15W RCD20W NEW RCD20U NEW RCD30W	10 * -55°C	4:1 9 - 36 18 - 75 36 - 160	3,3, 5, 12, 15, 24, ±5, ±12, ±15, ±24	90	3000 VDC 2250 VDC	DIP 1.00 x 1.00 x 0.39		
	15 * -55°C		3,3, 5, 12, 15, 24, ±5, ±12, ±15, ±24	91				
	20 * -55°C		3,3, 5, 5.1, 12, 15, 24, ±12, ±15, ±24	91				
	20 * -55°C		Ultra 9 - 75 14 - 160	5, 12, 15, 24, ±12, ±15	88		3000 VDC	
	30 * -55°C		4:1 9 - 36 18 - 75 36 - 160	3,3, 5, 5.1, 12, 15, 24, ±12, ±15, ±24	92		3000 VDC 2250 VDC	
 NEW RHM20W	20	4:1 36 - 160	5, 5.1, 12, 15, 24, ±5, ±12, ±15	90,5	3000 VAC	DIP 1.60 x 1.00 x 0.40		
 RED20W RED40W RED60W	20 * -55°C	4:1 9 - 36 18 - 75 43 - 160	3,3, 5, 12, 15, ±12, ±15	89	2250 VDC	DIP 2.00 x 1.00 x 0.40		
	40	4:1 9 - 36 18 - 75 36 - 160	3,3, 5, 12, 15, 24, 48, 53, ±12, ±15, ±24	93	3000 VDC			
	60		3,3, 5, 5.1, 12, 15, 24, 48, 53, ±12, ±15, ±24	94				
 NEW RHD40W	40	4:1 36 - 160	5, 5.1, 12, 15, 24, ±12, ±15	90	3000 VAC			
 QAE40U QAE60U QAE100U QAE100W QAE150W	40	Ultra 9 - 75 14 - 160	5, 12, 15, 24, 28, 48, 53	91	3000 VAC 2250 VDC	Quarter Brick 2.28 x 1.45 x 0.50		
	60			91				
	100			90				
	90			4:1 8,5 - 36 16,5 - 75 40 - 160			3,3, 5, 12, 15, 24, 30, 48	90
	132							90

DC/DC CONVERTERS

Series	Output Power (W)	Input Voltage (VDC)	Output Voltage (VDC)	Eff. (%)	Isolation Voltage	Dimensions (Inch)
 HAE75W HAE100W HAE150W HAE200W NEW HAE150U NEW HAE200U	75	4:1 9 - 36 18 - 75 43 - 160	3,3, 5, 12, 15, 24, 28, 48	91	3000 VAC 3000 VDC	Half Brick 2.40 x 2.28 x 0.50
	100	4:1 8,5 - 36 16,5 - 75 43 - 160		93		
	182			91		
	240			91		
	150			Ultra 16 - 160		
	200			92		
 URED20W UFED40W	20	4:1 9 - 36 18 - 75 43 - 160	3,3, 5, 12, 15, ±12, ±15	88	2250 VDC	Wall Mount / Din-rail 4.00 x 2.25 x 0.75
	40	4:1 9,5 - 36 18 - 75 43 - 160	3,3, 5, 12, 15, 24, ±12, ±15, ±24	91	3000 VDC 1600 VDC	
 HAE75W-T HAE100W-T HAE150W-T HAE200W-T	75	4:1 9 - 36 18 - 75 43 - 160	3,3, 5, 12, 15, 24, 28, 48	91	3000 VAC 3000 VDC	Wall Mount 3.35 x 2.40 x 1.59
	100	4:1 8,5 - 36 16,5 - 75 43 - 160		93		
	182			91		
	255			91		
 WAF150W WAD150W WAF300W	150	4:1 9 - 36 18 - 75 43 - 160	12, 15, 24, 28, 48	89	3000 VDC 2250 VDC	Wall Mount 3.86 x 2.56 x 0.67
	300	4:1 18 - 75 43 - 160	12, 15, 24, 28, 48	92	3000 VAC	Wall Mount / Din-rail 6.00 x 4.00 x 1.52

SURGE SUPPRESSION MODULE

Series	Output Power (W)	Input Voltage (VDC)	Transient Voltage (VDC)	Clamp Voltage (VDC)	Meet Standard	Dimensions (Inch)
 SSM-110P50-001 SSM-110004-001 SSM-110008-001	20	43 - 160	385 VDC, 20 ms, max.	168	RIA12 Surge Susceptibility NF F 01-510	DIP 24 1.25 x 0.80 x 0.40
	150					DIP 1.60 x 1.00 x 0.40
	300					



AC/DC POWER SUPPLIES

Series	Output Power (W)	Input Voltage (VAC)	Output Voltage (VDC)	Eff. (%)	Isolation Voltage	Dimensions (Inch)
MSC15	15	85 - 264	3.3, 5, 7.5, 9, 12, 15, 18, 24, 28, 36, 48, 53	89	4000 VAC	Encapsulated 2.82 x 1.14 x 0.82
MSD30	30			91.5		Encapsulated 3.95 x 1.50 x 1.00
MSD40	40		5, 7.5, 9, 12, 15, 18, 24, 28, 36, 48, 53	93		Encapsulated 4.30 x 2.20 x 1.20
MSD65	65			93.5		
MAC15	15		3.3, 5, 7.5, 9, 12, 15, 18, 24, 28, 36, 48, 53	89		Open Frame 2.61 x 1.00 x 0.62
MAD30	30			91.5		Open Frame 3.34 x 1.36 x 0.77
MAD40 Single <small>* IEC 61850-3</small>	40		5, 7.5, 9, 12, 15, 18, 24, 28, 36, 48, 53	93		Open Frame/ Enclosed 3.00 x 2.00 x 0.94
MAD65 Single <small>* IEC 61850-3</small>	65			93.5		
MAD40 Multi <small>* IEC 61850-3</small>	40		5/ 3.3, 12/ 5, 12/ 3.3, 15/ 5, 24/ 5, 28/ 5, 5/ 3.3/ -5, 5/ 3.3/ 12, 5/ 3.3/ -12, 12/ 5/ -5, 12/ 5/ -12, 12/ 3.3/ 5, 12/ 3.3/ -12, 15/ 5/ -15, 24/ 5/ 12, 24/ 5/ -12	90		Open Frame/ Enclosed 3.50 x 2.00 x 0.98
MAD65 Multi <small>* IEC 61850-3</small>	65			90.5		
MAD100	100		12, 15, 24, 28, 36, 48	92		Open Frame/ Enclosed 3.00 x 2.00 x 1.16
MAF150	150		12, 15, 24, 28, 36, 48	92		Open Frame/ Enclosed 4.00 x 2.00 x 1.16
NEW MAD180	180		12, 15, 18, 24, 28, 36, 48, 53	94		Open Frame/ Enclosed 3.00 x 2.00 x 1.24
MAH450	450		12, 15, 24, 28, 36, 48, 53	94		Open Frame/ Enclosed 5.00 x 3.00 x 1.58

DC/DC CONVERTERS

Series	Output Power (W)	Input Voltage (VDC)	Output Voltage (VDC)	Eff. (%)	Isolation Voltage	Dimensions (Inch)
NEW MPU01	1	4.5 - 5.5 9.6 - 14.4 12 - 18 19.2 - 28.8	3.3, 5, 12, 15, ±5, ±12, ±15	85	2MOPP 5000 VAC	SIP 0.77 x 0.49 x 0.39
MPS/H02	2	2:1 4.5 - 12 9 - 18	3.3, 5, 9, 12, 15, 24, ±12, ±15	82		SMD 16 / DIP 16 0.95 x 0.57 x 0.40
MPS/H04	3.5	18 - 36 36 - 75	5, 9, 12, 15, 24, ±12, ±15	83		
MPP03	3	2:1 4.5 - 9 9 - 18	3.3, 5, 12, 15, 24 ±5, ±12, ±15	87.5		DIP 24 1.25 x 0.80 x 0.40
MPP06	6	18 - 36 36 - 75		89		
MPP10	10	4:1 9 - 36 18 - 75		89		
MPM15	15	2:1 9 - 18 18 - 36	5, 12, 15, 24, ±5, ±12, ±15	90		DIP 1.60 x 1.00 x 0.40
MPM20	20	36 - 75		90		
MPD30	30	4:1 9 - 36 18 - 75		90.5		
MPD30W	30					DIP 2.00 x 1.00 x 0.40
NEW MPQ60W	60	4:1 9 - 36 18 - 75	5, 5.1, 12, 15, 24, ±12, ±15	92.5		Quarter Brick 2.28 x 1.45 x 0.50



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