

# PDS Design Solutions Limited



Continued

Load (VA)	Secondary Voltage(V)	Secondary Current(A)	Regulation (Typical)	Diameter (MM/Inches)	Height (MM/Inches)	Weight (KG/Pounds)	Temperature Rise (°C)	PDS P/N
500	25 + 25	10.00	4.3	135 / 5.3	56 / 2.2	4.0 / 8.8	51	PDS6801
500	30 + 30	8.33	4.3	135 / 5.3	56 / 2.2	4.0 / 8.8	51	PDS6802
500	35 + 35	7.14	4.3	135 / 5.3	56 / 2.2	4.0 / 8.8	51	PDS6803
500	40 + 40	6.25	4.3	135 / 5.3	56 / 2.2	4.0 / 8.8	51	PDS6804
500	45 + 45	5.56	4.3	135 / 5.3	56 / 2.2	4.0 / 8.8	51	PDS6807
500	50 + 50	5.00	4.3	135 / 5.3	56 / 2.2	4.0 / 8.8	51	PDS6808
500	55 + 55	4.55	4.3	135 / 5.3	56 / 2.2	4.0 / 8.8	51	PDS6800
500	60 + 60	4.17	4.3	135 / 5.3	56 / 2.2	4.0 / 8.8	51	PDS6805
500	115 + 115	2.17	4.3	135 / 5.3	56 / 2.2	4.0 / 8.8	51	PDS6806
625	25 + 25	12.50	4.3	137 / 5.4	67 / 2.6	4.9 / 10.8	53	PDS6850
625	30 + 30	10.42	4.3	137 / 5.4	67 / 2.6	4.9 / 10.8	53	PDS6851
625	35 + 35	8.93	4.3	137 / 5.4	67 / 2.6	4.9 / 10.8	53	PDS6852
625	40 + 40	7.81	4.3	137 / 5.4	67 / 2.6	4.9 / 10.8	53	PDS6853
625	45 + 45	6.94	4.3	137 / 5.4	67 / 2.6	4.9 / 10.8	53	PDS6857
625	50 + 50	6.25	4.3	137 / 5.4	67 / 2.6	4.9 / 10.8	53	PDS6858
625	55 + 55	5.68	4.3	137 / 5.4	67 / 2.6	4.9 / 10.8	53	PDS6854
625	60 + 60	5.21	4.3	137 / 5.4	67 / 2.6	4.9 / 10.8	53	PDS6855
625	115 + 115	2.72	4.3	137 / 5.4	67 / 2.6	4.9 / 10.8	53	PDS6856
800	25 + 25	16.00	4.4	161 / 6.3	57 / 2.2	6.0 / 13.2	55	PDS6900
800	30 + 30	13.33	4.4	161 / 6.3	57 / 2.2	6.0 / 13.2	55	PDS6901
800	35 + 35	11.43	4.4	161 / 6.3	57 / 2.2	6.0 / 13.2	55	PDS6902
800	40 + 40	10.00	4.4	161 / 6.3	57 / 2.2	6.0 / 13.2	55	PDS6903
800	45 + 45	8.89	4.4	161 / 6.3	57 / 2.2	6.0 / 13.2	55	PDS6907
800	50 + 50	8.00	4.4	161 / 6.3	57 / 2.2	6.0 / 13.2	55	PDS6908
800	55 + 55	7.27	4.4	161 / 6.3	57 / 2.2	6.0 / 13.2	55	PDS6904
800	60 + 60	6.67	4.4	161 / 6.3	57 / 2.2	6.0 / 13.2	55	PDS6905
800	115 + 115	3.48	4.4	161 / 6.3	57 / 2.2	6.0 / 13.2	55	PDS6906
1000	25 + 25	20.00	3.8	163 / 6.4	65 / 2.6	7.0 / 15.4	56	PDS6950
1000	30 + 30	16.67	3.8	163 / 6.4	65 / 2.6	7.0 / 15.4	56	PDS6951
1000	35 + 35	14.29	3.8	163 / 6.4	65 / 2.6	7.0 / 15.4	56	PDS6952
1000	40 + 40	12.50	3.8	163 / 6.4	65 / 2.6	7.0 / 15.4	56	PDS6953
1000	45 + 45	11.11	3.8	163 / 6.4	65 / 2.6	7.0 / 15.4	56	PDS6957
1000	50 + 50	10.00	3.8	163 / 6.4	65 / 2.6	7.0 / 15.4	56	PDS6958
1000	55 + 55	9.09	3.8	163 / 6.4	65 / 2.6	7.0 / 15.4	56	PDS6954
1000	60 + 60	8.33	3.8	163 / 6.4	65 / 2.6	7.0 / 15.4	56	PDS6959
1000	115 + 115	4.35	3.80	163 / 6.4	65 / 2.6	7.0 / 15.4	56	PDS6956

### Efficiency at maximum continuous VA rating

Load (VA)	Efficiency (%)	Copper Loss (W)	Iron Loss (W)
15	84.8	2.5	0.2
30	84.8	5.1	0.3
50	86.9	7.1	0.4
63	87.7	8.3	0.5
80	88.9	9.3	0.7
100	90.4	9.8	0.8
120	90.8	11.3	0.9
160	91.7	13.3	1.1
230	93.0	15.7	1.5
250	93.2	16.6	1.6
330	94.0	19.2	1.9
500	95.1	23.0	2.8
625	95.4	26.8	3.3
800	95.6	33.0	4.1
1000	96.0	36.2	5.4