

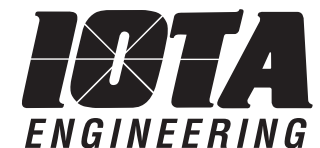
DLS-Series Models	13 VOLT DLS					
	<i>DLS-15</i> SERIES M	<i>DLS-30</i> SERIES M	<i>DLS-45</i> SERIES M	<i>DLS-55</i> SERIES M	<i>DLS-75</i>	<i>DLS 90</i> [†]
DC Output Voltage (No Load) approx.	13.6V (DC)	13.6V (DC)	13.6V (DC)	13.6V (DC)	13.6V (DC)	13.6V (DC)
Output Voltage Tolerance (No Load)	+ or - .7%	+ or - .7%	+ or - .7%	+ or - .7%	+ or - .7%	+ or - .7%
Output Amperage, Max Continuous	15 Amps	30 Amps	45 Amps	55 Amps	75 Amps	90 Amps
Output Voltage (Full Load) approx.	>13.4V (DC)	>13.4V (DC)	>13.4V (DC)	>13.4V (DC)	>13.4V (DC)	>13.4V (DC)
Maximum Power Output, Continuous	200 Watts	400 Watts	600 Watts	750 Watts	1000 Watts	1200 Watts
Ripple and Noise	<50 mV rms	<50 mV rms	<50 mV rms	<50 mV rms	<100 mV rms	<150 mV rms
Input Voltage Range	108 - 132 AC	108 - 132 AC	108 - 132 AC	108 - 132 AC	108 - 132 AC	108 - 132 AC
Input Voltage Frequency	47-63	47-63	47-63	47-63	47-63	47-63
Maximum AC Current (@108Vac)	3.5 Amps	7 Amps	11 Amps	13 Amps	17 Amps	21 Amps [‡]
Typical Efficiency	>80%	>80%	>80%	>80%	>80%	>80%
Max Inrush Current, Single Cycle	30 Amps	30 Amps	40 Amps	40 Amps	50 Amps	50 Amps
Short Circuit Protection	Yes	Yes	Yes	Yes	Yes	Yes
Overload Protection	>100%	>100%	>100%	>100%	>100%	>100%
Line Regulation	100 mV rms	100 mV rms	100 mV rms	100 mV rms	100 mV rms	100 mV rms
Load Regulation	<1%	<1%	<1.5%	<1.5%	<1.5%	<1.5%
Fan Control*	PROPORTIONAL	PROPORTIONAL	PROPORTIONAL	PROPORTIONAL	PROPORTIONAL	PROPORTIONAL
Thermal Protection	YES	YES	YES	YES	YES	YES
Working Temperature Range	0 - 40C	0 - 40C	0 - 40C	0 - 40C	0 - 40C	0 - 40C
Storage Temperature	-20 to 80C	-20 to 80C	-20 to 80C	-20 to 80C	-20 to 80C	-20 to 80C
Withstand Voltage	1240V @ leads	1240V @ leads	1240V @ leads	1240V @ leads	1240V @ leads	1240V @ leads
Dimensions**	9.7" x 6.7" x 3.4"	9.7" x 6.7" x 3.4"	9.7" x 6.7" x 3.4"	9.7" x 6.7" x 3.4"	13" x 6.5" x 3.4"	13" x 6.5" x 3.4"
Weight	5.0 lbs	5.0 lbs	5.0 lbs	5.0 lbs	7.8 lbs	7.8 lbs

* Proportional = Fan speed proportional to case temperature

[†] This unit is not UL Listed

** Detailed Mounting Specifications available online.

[‡] Requires 30A breaker



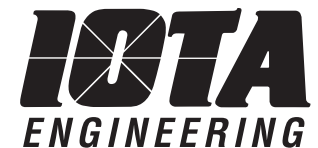
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DLS-Series Models	27 VOLT DLS			36 VOLT DLS [†]	42 VOLT DLS [†]	48 VOLT DLS [†]		54 VOLT DLS [†]
	DLS 27-15 SERIES M	DLS 27-25 SERIES M	DLS 27-40	DLS 36-20	DLS 42-18	DLS 48-15	DLS 48-20	DLS 54.4-15
DC Output Voltage (No Load) approx.	27.2V (DC)	27.2V (DC)	27.2V (DC)	36V (DC)	40.8V (DC)	48V (DC)	48V (DC)	54.4V (DC)
Output Voltage Tolerance (No Load)	+ or - .5%	+ or - .5%	+ or - .5%	+ or - .5%	+ or - .5%	+ or - .5%	+ or - .5%	+ or - .5%
Output Amperage, Max Continuous	15 Amps	25 Amps	40 Amps	20 Amps	18 Amps	15 Amps	20 Amps	15 Amps
Output Voltage (Full Load) approx.	>27.0V (DC)	>27.0V (DC)	>27.0V (DC)	>35.8V (DC)	>40.6V (DC)	>47.8V (DC)	>47.8V (DC)	>54V (DC)
Maximum Power Output, Continuous	400 Watts	675 Watts	1100 Watts	725 Watts	750 Watts	725 Watts	950 Watts	800 Watts
Ripple and Noise	<50 mV rms	<50 mV rms	<50 mV rms	<50 mV rms	<50 mV rms	<50 mV rms	<50 mV rms	<50 mV rms
Input Voltage Range	108 - 132 AC	108 - 132 AC	108 - 132 AC	108 - 132 AC	108 - 132 AC	108 - 132 AC	108 - 132 AC	108 - 132 AC
Input Voltage Frequency	47-63	47-63	47-63	47-63	47-63	47-63	47-63	47-63
Maximum AC Current (@108VAC)	7 Amps	12 Amps	20 Amps	13 Amps	14 Amps	13 Amps	15 Amps	14 Amps
Typical Efficiency	>80%	>80%	>80%	>80%	>80%	>80%	>80%	>80%
Max Inrush Current, Single Cycle	30 Amps	40 Amps	50 Amps	40 Amps	40 Amps	40 Amps	50 Amps	50 Amps
Short Circuit Protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Overload Protection	>100%	>100%	>100%	>100%	>100%	>100%	>100%	>100%
Line Regulation	100 mV rms	100 mV rms	100 mV rms	100 mV rms	100 mV rms	100 mV rms	100 mV rms	100 mV rms
Load Regulation	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%
Fan Control*	PROPORTIONAL	PROPORTIONAL	PROPORTIONAL	PROPORTIONAL	PROPORTIONAL	PROPORTIONAL	PROPORTIONAL	PROPORTIONAL
Thermal Protection	YES	YES	YES	YES	YES	YES	YES	YES
Working Temperature Range	0 - 40C	0 - 40C	0 - 40C	0 - 40C	0 - 40C	0 - 40C	0 - 40C	0 - 40C
Storage Temperature	-20 to 80C	-20 to 80C	-20 to 80C	-20 to 80C	-20 to 80C	-20 to 80C	-20 to 80C	-20 to 80C
Withstand Voltage	1240V @ leads	1240V @ leads	1240V @ leads	1240V @ leads	1240V @ leads	1240V @ leads	1240V @ leads	1240V @ leads
Dimensions**	9.7" x 6.7" x 3.4"		13" x 6.5" x 3.4"	10" x 6.5" x 3.4"	10" x 6.5" x 3.4"	10" x 6.5" x 3.4"	13" x 6.5" x 3.4"	13" x 6.5" x 3.4"
Weight	5.0 lbs	5.0 lbs	7.8 lbs	5.5 lbs	5.5 lbs	5.5 lbs	7.8 lbs	7.8 lbs

* Proportional = Fan speed proportional to case temperature

[†] Units are not UL Listed

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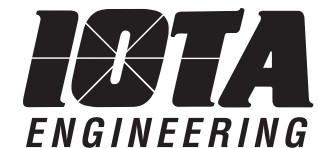
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DLS-Series Models	220 VOLT DLS			DC to DC Conversion	
	DLS 240-30 SERIES M	DLS 240-45 SERIES M	DLS 240-55 SERIES M		DC-48-12 [†]
DC Output Voltage (No Load) approx.	13.6V (DC)	13.6V (DC)	13.6V (DC)	DC Output Voltage (No Load) approx.	12V (DC)
Output Voltage Tolerance (No Load)	+ or - .7%	+ or - .7%	+ or - .7%	Output Voltage Tolerance (No Load)	+ or - .5%
Output Amperage, Max Continuous	30 Amps	45 Amps	55 Amps	Output Amperage, Max Continuous	11 Amps
Output Voltage (Full Load) approx.	>13.4V (DC)	>13.4V (DC)	>13.4V (DC)	Output Voltage (Full Load) approx.	12V (DC)
Maximum Power Output, Continuous	400 Watts	600 Watts	750 Watts	Maximum Power Output, Continuous	130 Watts
Ripple and Noise	<50 mV rms	<50 mV rms	<50 mV rms	Ripple and Noise	<50 mV rms
Input Voltage Range	220 - 240 AC	220 - 240 AC	220 - 240 AC	Input Voltage Range	45 - 50VDC
Input Voltage Frequency	47-63	47-63	47-63	Input Voltage Frequency	DC
Maximum AC Current (@216Vac)	3.5 Amps	5.5 Amps	6.5 Amps	Maximum AC Current	N/A
Typical Efficiency	>80%	>80%	>80%	Typical Efficiency	>80%
Max Inrush Current, Single Cycle	27 Amps	27 Amps	27 Amps	Max Inrush Current, Single Cycle	N/A
Short Circuit Protection	Yes	Yes	Yes	Short Circuit Protection	Yes
Overload Protection	>100%	>100%	>100%	Overload Protection	>100%
Line Regulation	100 mV rms	100 mV rms	100 mV rms	Line Regulation	100 mV rms
Load Regulation	<1.5%	<1.5%	<1.5%	Load Regulation	<1%
Fan Control*	PROPORTIONAL	PROPORTIONAL	PROPORTIONAL	Fan Control	CONSTANT
Thermal Protection	YES	YES	YES	Thermal Protection	YES
Working Temperature Range	0 - 40C	0 - 40C	0 - 40C	Working Temperature Range	0 - 40C
Storage Temperature	-20 to 80C	-20 to 80C	-20 to 80C	Storage Temperature	-20 to 80C
Withstand Voltage	1240V @ leads	1240V @ leads	1240V @ leads	Withstand Voltage	1240V @ leads
Dimensions**	9.7" x 6.7" x 3.4"			Dimensions	10" x 6.5" x 3.4"
Weight	5.0 lbs	5.0 lbs	5.0 lbs	Weight	5.0 lbs

* Proportional = Fan speed proportional to case temperature

** Detailed Mounting Specifications are available online.

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