

LYTE



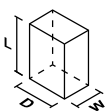
Features

- High power density
- Built-in constant current circuit for reactive loads
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Built-in DC OK relay contact (for DRL-24V480W1A□)
- Compliance to SEMI F47 @ 200Vac
- 15kV Air Discharge & 8kV Contact Discharge ESD immunity
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		DRL-12V75W1AZ	DRL-24V75W1AZ	DRL-24V480W1A□	DRL-48V75W1AZ
Output Voltage		12V	24V	24V	48V
Output Voltage Range		10.8-13.2V	21.6-26V	22-28V	43.2-52.8V
Output Current		6.25A	3.125A	20.0A	1.57A
Output Power		75W	75W	480W	75.36W
PARD (20MHz)		< 120mVpp @ > -10°C to +70°C < 360mVpp @ ≤ -10°C to -30°C		< 120mVpp @ 0°C to +70°C, < 240mVpp @ < 0°C to -10°C, < 360mVpp @ < -10°C to -20°C	< 240mVpp @ > -10°C to +70°C < 480mVpp @ ≤ -10°C to -30°C
Hold-up Time	115Vac	16ms typ.	16ms typ.	10ms typ.	16ms typ.
	230Vac	60ms typ.	60ms typ.	16ms typ.	60ms typ.
INPUT					
Phase Input		Single Phase			
Input Voltage Range		85-264Vac		85-264Vac (DC input range 120-375Vdc) ¹⁾	85-264Vac
Input Frequency		47-63Hz			
Input Current	115Vac	1.4A typ.	1.4A typ.	5.4A typ.	1.4A typ.
	230Vac	0.9A typ.	0.9A typ.	2.7A typ.	0.9A typ.
Efficiency ²⁾ at 100% Load	115Vac	-	-	85.0% typ.	-
	230Vac	87.5% typ.	89.0% typ.	88.0% typ.	90.0% typ.
Max Inrush Current (Cold Start)	115Vac	-	-	40A typ.	-
	230Vac	50A typ.	50A typ.	80A typ.	50A typ.
Power Factor	115Vac	NA	NA	> 0.95	NA
	230Vac	NA	NA	> 0.95	NA
Leakage Current	240Vac	< 1mA	< 1mA	-	< 1mA
	264Vac	-	-	< 1mA	-
MECHANICAL					
Case Cover / Chassis		Plastic		SGCC / Aluminium	Plastic
Dimensions (L × W × D)	mm	123.6 × 27 × 102	123.6 × 27 × 102	123.6 × 85.5 × 128.5	123.6 × 27 × 102
	inch	4.87 × 1.06 × 4.02	4.87 × 1.06 × 4.02	4.87 × 3.37 × 5.06	4.87 × 1.06 × 4.02
Unit Weight	kg	0.22	0.22	1.30	0.22
	lb	0.49	0.49	2.86	0.49
Cooling System		Convection			
MTBF ³⁾		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature ⁴⁾		-20°C to +70°C			
Storage Temperature		-40°C to +85°C			
Operating Humidity		5 to 95% RH (Non-Condensing)			
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)			

Dimensions Reference



Notes

- 1) DRL-24V480W1A□ fulfills the test conditions for DC input. DC input safety approval can be obtained upon request.
- 2) At 25°C ambient temperature by vertical mounting orientation.
- 3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100Vac, O/P: 100% load) for vertical mounting orientation.
- 4) Refer power de-rating in the product datasheet.
- 5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

LYTE II



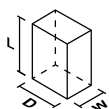
Features

- Ultra slim form factor
- Built-in constant current circuit for reactive loads
- Operating from -30°C to +70°C with -40°C cold start
- Compliance with DOE VI energy standard
- Compliance to SEMI F47 @ 200Vac
- Certified according to IEC/EN/UL 62368-1

Specifications

		NEW	NEW
OUTPUT		DRL-12V120W1EN	DRL-12V240W1EN
Output Voltage		12V	12V
Output Voltage Range		10.8-13.2V	10.8-13.2V
Output Current		10.0A	20.0A
Output Power		120W	240W
PARD (20MHz)		< 120mVpp @ 0°C to +70°C < 360mVpp @ -30°C to 0°C	
Hold-up Time	115Vac	10ms typ.	20ms typ.
	230Vac	16ms typ.	
INPUT			
Phase Input		Single Phase	
Input Voltage Range		90-264Vac	
Input Frequency		47-63Hz	
Input Current	115Vac	2.1A typ.	2.5A typ.
	230Vac	1.3A typ.	1.3A typ.
Efficiency ¹⁾ at 100% Load	230Vac	86.0% typ.	86.5% typ.
Max Inrush Current (Cold Start)	230Vac	35A typ.	40A typ.
Power Factor	115Vac	NA	> 0.95
	230Vac		
Leakage Current	240Vac	< 0.5mA	< 0.75mA
MECHANICAL			
Case Cover / Chassis		SGCC / Aluminium	
Dimensions (L x W x D)	mm	123.6 x 30 x 117.2	123.6 x 40 x 117.2
	inch	4.87 x 1.18 x 4.61	4.87 x 1.57 x 4.61
Unit Weight	kg	0.45	0.62
	lb	0.99	1.37
Cooling System		Convection	
MTBF ²⁾		> 700,000 hrs	> 700,000 hrs
ENVIRONMENT			
Operating Temperature ³⁾		-30°C to +70°C	
Storage Temperature		-40°C to +85°C	
Operating Humidity		20 to 90% RH (Non-Condensing)	
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)	

Dimensions Reference



Notes

- 1) At 25°C ambient temperature by vertical mounting orientation.
- 2) MTBF as per Telcordia SR-332 (I/P: 115Vac & 230Vac, O/P: 100% load) for vertical mounting orientation.
- 3) Refer power de-rating in the product datasheet.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

LYTE II

Features

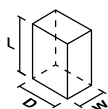
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Specifications

		NEW	NEW
OUTPUT		DRL-24V120W1EN□	DRL-24V240W1EN□
Output Voltage		24V	24V
Output Voltage Range		21.6-26.4V	21.6-26.4V
Output Current		5.0A	10.0A
Output Power		120W	240W
PARD (20MHz)		< 150mVpp @ 0°C to +70°C < 450mVpp @ -30°C to 0°C	
Hold-up Time	115Vac	10ms typ.	20ms typ.
	230Vac	16ms typ.	
INPUT			
Phase Input	Single Phase		
Input Voltage Range	90-264Vac		
Input Frequency	47-63Hz		
Input Current	115Vac	2.1A typ.	2.5A typ.
	230Vac	1.3A typ.	1.3A typ.
Efficiency ¹⁾ at 100% Load	230Vac	88.5% typ.	90.0% typ.
Max Inrush Current (Cold Start)	230Vac	35A typ.	40A typ.
Power Factor	115Vac	NA	> 0.95
	230Vac		
Leakage Current	240Vac	< 0.5mA	< 0.75mA
MECHANICAL			
Case Cover / Chassis	SGCC / Aluminium		
Dimensions (L × W × D)	mm	123.6 × 30 × 117.2	123.6 × 40 × 117.2
	inch	4.87 × 1.18 × 4.61	4.87 × 1.57 × 4.61
Unit Weight	kg	0.45	0.62
	lb	0.99	1.37
Cooling System	Convection		
MTBF ²⁾	> 700,000 hrs		> 700,000 hrs
ENVIRONMENT			
Operating Temperature ³⁾	-30°C to +70°C		
Storage Temperature	-40°C to +85°C		
Operating Humidity	20 to 90% RH (Non-Condensing)		
Operating Altitude	0 to 5,000 m (0 to 16,400 ft)		

Dimensions Reference



Notes

- 1) At 25°C ambient temperature by vertical mounting orientation.
- 2) MTBF as per Telcordia SR-332 (I/P: 115Vac & 230Vac, O/P: 100% load) for vertical mounting orientation.
- 3) Refer power de-rating in the product datasheet.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

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Features

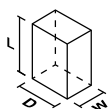
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Specifications

		NEW	NEW
OUTPUT		DRL-48V120W1EN	DRL-48V240W1EN
Output Voltage		48V	48V
Output Voltage Range		43.2-52.8V	43.2-52.8V
Output Current		2.5A	5.0A
Output Power		120W	240W
PARD (20MHz)		< 200mVpp @ 0°C to +70°C < 600mVpp @ -30°C to 0°C	
Hold-up Time	115Vac	10ms typ.	20ms typ.
	230Vac	16ms typ.	
INPUT			
Phase Input		Single Phase	
Input Voltage Range		90-264Vac	
Input Frequency		47-63Hz	
Input Current	115Vac	2.1A typ.	2.5A typ.
	230Vac	1.3A typ.	1.3A typ.
Efficiency ¹⁾ at 100% Load	230Vac	89.5% typ.	90.5% typ.
Max Inrush Current (Cold Start)	230Vac	35A typ.	40A typ.
Power Factor	115Vac	NA	> 0.95
	230Vac		
Leakage Current	240Vac	< 0.5mA	< 0.75mA
MECHANICAL			
Case Cover / Chassis		SGCC / Aluminium	
Dimensions (L x W x D)	mm	123.6 x 30 x 117.2	123.6 x 40 x 117.2
	inch	4.87 x 1.18 x 4.61	4.87 x 1.57 x 4.61
Unit Weight	kg	0.45	0.62
	lb	0.99	1.37
Cooling System		Convection	
MTBF ²⁾		> 700,000 hrs	> 700,000 hrs
ENVIRONMENT			
Operating Temperature ³⁾		-30°C to +70°C	
Storage Temperature		-40°C to +85°C	
Operating Humidity		20 to 90% RH (Non-Condensing)	
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)	

Dimensions Reference



Notes

- 1) At 25°C ambient temperature by vertical mounting orientation.
- 2) MTBF as per Telcordia SR-332 (I/P: 115Vac & 230Vac, O/P: 100% load) for vertical mounting orientation.
- 3) Refer power de-rating in the product datasheet.
- 4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.