



Switched Mode Power Supply Specifications

Bulletin 1606

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100...240V AC/DC, Continued

Catalog Number	1606-XLE240E 1606-XLE240EP 1606-XLE240EC 1606-XLE240EL 1606-XLE240EH	1606-XLE240EN	1606-XLE240EE	1606-XLE480EP 1606-XLE480EPC 1606-XLE480EL 1606-XLE480EH 1606-XLE480EM	1606-XLE480EP-D
Output Voltage, Nom	24V	24V	24V	24V	24V
Output Current, Nom	10 A	10 A	10 A	20 A	20 A
Adjustment Range	24...28V	24...28V	24...28V	24...28V	24...28V
Output Current Range	10...8.6A	10...8.6A	10...8.6A	20...17.1 A	20...17.1 A
Output Power	240 W	240 W	240 W	480 W	480 W
Power Reserves	20%	20%	20%	20%	20%
Ripple and Noise, Max [mVPP]	50 mV	50 mV	50 mV	50 mV	50 mV
AC Input Voltage	AC 100...240V	AC 100...120V	AC 200...240V	AC 100...240V	
DC Input Voltage	(XLE240E, -XLE240EP) 110...150V (-XLE2400EC, - XLE240EL, -XLE240EH)	—	—	DC 110...150V	DC 110...300V
Power Factor, Typ	0.51 (-XLE240E) 0.57 (-XLE240EP) 0.97 (-XLE240EC, -XLE240EL, - XLE240EH)	0.57	0.52	0.98	0.98
Input Inrush Current Limiter	Active	NTC	NTC	Active	Active
Input Inrush Current ⁽¹⁾	6 A/9 A	85 A	48 A	10 A/4.5 A	6 A/4 A
External Input Fuse Recommendation, Min	B-6 A/C-6 A	B-16 A or C-10 A	B-10 A or C-6 A	B-10 A or C-10 A	B-10 A or C-10 A
Efficiency, Typ	91.6% (-XLE240E) 91.2% (-XLE240EP) 95.2% (-XLE240EC, -XLE240EL, -XLE240EH)	91.3%	91.3%	95.6%	94.6%
Power Losses, Typ	12.1 W	23.4 W	23.4 W	22.1 W	27.4 W
MTBF ⁽²⁾	661 kh (XLE240E) 667 kh (XLE240EP) 667 kh (XLE240EC) 667 kh (XLE240EL) 661 kh (XLE240EH)	710 kh	910 kh	590 kh	537 kh
Lifetime, Min (+40 °C)	120 kh	50 kh	75 kh	94 kh	98 kh
Temperature, operating	-25...+70°C (-13...+158 °F)	0...70°C (32...158 °F)	0...70°C (32...158 °F)	-25...+70°C (-13...+158 °F)	-25...+70°C (-13...+158 °F)
Derating ⁽³⁾	6W/°C	6W/°C	6W/°C	12 W/ °C	12 W/ °C
Connection Terminals	Screw (XLE-240E, -XLE240EP, XLE240EC) Spring (-XLE240EL) Push-in (-XLE240EH)	Screw	Screw	Screw (-XLE480EP, -XLE480EPC, - XLE480EM) Spring (-XLE480480EL) Push-in (-XLE480EH)	Screw
Dimensions W x H x D	39 x 124 x 117 mm	60 x 124 x 117 mm (2.36 x 4.88 x 4.61 in.)	60 x 124 x 117 mm (2.36 x 4.88 x 4.61 in.)	48x 124 x 127 mm	65 x 124 x 127 mm
Weight	600 g	700 g (1.54 lb)	700 g (1.54 lb)	830 g	940 g (2.07 lb)
DC OK Relay Contact	— (-XLE240E, -XLE240EP) Yes (-XLE240EC, -XLE240EL, - XLE240EH)	—	—	Yes	Yes
Special Features	—	—	—	—	—

(1) Output transient current

(2) +40 °C (104 °F), SN29500

(3) From 60...70 °C (140...158 °F).

100...240V AC/DC, Continued

Catalog Number	1606-XLE120F	1606-XLE240F	1606-XLE260F	1606-XLE480FP	1606-XLE480FP-D
Output Voltage, Nom	48V	48V	48V	48V	48V
Output Current, Nom	2.5 A	5 A	5.4 A	10 A	10 A
Adjustment Range	48...56V	48...52V	48...56V	48...56V	48...56V
Output Current Range	2.5...2.1 A	5...4.6 A	5.4...4.6 A	10...8.6 A	10...8.6 A
Output Power	120 W	240 W	260 W	480 W	480 W
Power Reserves	20%	20%	20%	20%	20%
Ripple and Noise, Max [mVPP]	50 mV	100 mV	50 mV	50 mV	50 mV
AC Input Voltage	AC 100...240V	AC 100...120V/ 200...240V auto-select	AC 100...240V	AC 100...240V	—
DC Input Voltage	DC 110...150V	—	DC 110...150V	DC 110...150V	DC 110...300V
Power Factor, Typ	0.91	0.51	0.98	0.98	0.95
Input Inrush Current ⁽¹⁾	4A/4A	3 A/3 A	6 A/9 A	4.5 A/5.5 A	6 A/4 A
External Input Fuse, Min	B-6A or C-6 A	B-10 A or C-6 A	B-6 A or C-6 A	B-10 A or C-10 A	B-10 A or C-10 A
Efficiency, Typ	93.5%	91.6%	95.5%	96.3%	94.6%
Power Losses, Typ	8.4 W	22.0 W	12.3 W	18.4 W	27.4 W
MTBF ⁽²⁾	836 kh	830 kh	699 kh	540 kh	537 kh
Lifetime, Min (+40 °C)	71 kh	96 kh	120 kh	87 kh	110 kh
Temperature, operating	-25...+70°C (-13...+158 °F)	-25...+70°C (-13...+158 °F)	-25...+70°C (-13...+158 °F)	-25...+70°C (-13...+158 °F)	-25...+70°C (-13...+158 °F)
Derating ⁽³⁾	1.6 W / °C	6 W / °C	6.5 W / °C	12 W/°C	12 W/°C
Connection Terminals	Screw	Screw	Screw	Screw	Screw
Dimensions W x H x D	32 x 124 x 102 mm (1.26 x 4.88 x 4.02 in.)	60 x 124 x 117 mm (2.36 x 4.88 x 4.61 in.)	39 x 124 x 117 mm (1.54 x 4.88 x 4.61 in.)	48 x 124 x 127 mm (2.56 x 4.88 x 5 in.)	65 x 124 x 127 mm (2.56 x 4.88 x 5 in.)
Weight	440 g (0.97 lb)	700 g (1.54 lb)	600 g (1.32 lb)	830 g (2.20 lb)	940 g (2.07 lb)
DC-OK Relay Contact	Yes	—	Yes	Yes	Yes

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