



**Colour
is our nature**

100W DMX Full-Colour Dimmable LED Drivers

Input characteristics

Input voltage AC	120-250V (ENEC) 120-277V (UL)
Input voltage DC	120-275V
Input current	1.05A max @ 120V/60Hz 0.5A max @ 230V/50Hz 0.45A max @ 277V/60Hz
Input frequency	50-60Hz
Efficiency @ full load	90%
Efficiency @ 1/2 load	≥87%
Power factor @ full load	>0.94
THD @ full load	<10%
Inrush current	35A 240µs @ 120V/60Hz 67A 240µs @ 230V/50Hz 75A 240µs @ 277V/60Hz
Surge protection	3kV (L to N), 4kV (L/N to GND)
Standby power	<0.5W

Output characteristics

LED output power	100W max
Programmable LED output current range	200-1,050mA
LED output current resolution	Via LEDcode tab in FluxTool: programmable in 10mA steps Via DMX tab in FluxTool: programmable in 10mA steps
LED output current tolerance	+/- 5% at programmed LED output current
LED outputs	4 (UL Class 2)
LED output voltage range	2-57V

Control characteristics

Control channels	1-4
Dimming protocol	DMX and RDM
Dimming range	100%-0.1%
Dimming method	Hybrid HydraDrive
Dimming curve	linear, logarithmic and square
Driver configuration	with TOOLbox pro and FluxTool

Product offering



POWERdrive 1061/M

P/N: PW1061M1

POWERdrive AC, 100W, DMX/RDM, 4 control channels, constant current, 4x 57V outputs, long metal

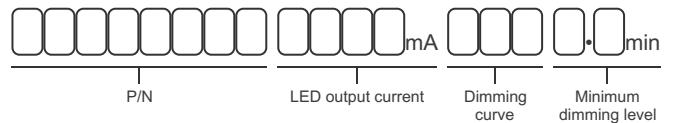


POWERdrive 1061/S

P/N: PW1061S1

POWERdrive AC, 100W, DMX/RDM, 4 control channels, constant current, 4x 57V outputs, square metal

Order number configuration



P/N: for LED driver part number, see 'Product offering' above.

LED output current: in 10mA steps, e.g. "0280", "1030", etc.

Dimming curve: enter "LOG" for logarithmic, "LIN" for linear, or "SQU" for square dimming curve.

Minimum dimming level: write to one decimal place, e.g. "05.0" for 5%, "07.5" for 7.5%, "10.1" for 10.1%, etc. Leave blank if default minimum dimming level (0.1%) is required.

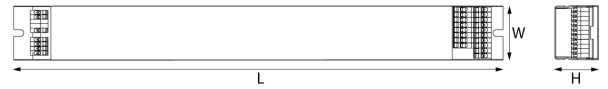
Dimensions, weight and packaging

POWERdrive 1061/M

LxWxH	370x41x30mm / 14.57x1.61x1.18in
Weight	774 g / 27.3 oz
Items per carton	20 pcs

POWERdrive 1061/S

LxWxH	230x80x30mm / 9.06x3.15x1.18in
Weight	933.5 g / 32.9 oz
Items per carton	20 pcs



Standards and certifications

Standards compliance

EN	61347-1/-2-13, 62384, 55015, 55022, 61000-3-2, 61547
UL, Recognized Component	UL 1310, UL 8750 (Class 2 output)
FCC	47 CFR Part 15 class B
RoHS	RoHS2

Certifications



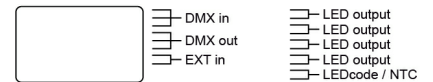
Wiring Specifications

Wire type	AWG 20-16, 0.5-1.5mm ² solid or stranded copper
Wire strip length	9mm / 0.35in

Wiring diagrams

POWERdrive 1061/M

120-277 VAC



POWERdrive 1061/S



Thermal protection

External NTC thermistor	throttling @ 70 °C / 158 °F (settable)
External thermistor value	47kΩ
Recommended thermistors	238164063473 (leaded) NTCASCWE3473J (screw)

Thermal specification

Ta operating range	-40 °C ... +50 °C / -40 °F ... +122 °F
Tc max	1061/M: 85 °C / 185 °F 1061/S: 83 °C / 181 °F

Warranty

Warranty period	3 years
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Maximum loading of automatic circuit breakers

Automatic circuit breaker type	B10	B13	B16	C10	C13	C16
Amount of LED drivers	5	6	8	8	10	13