



Martin IP66 PSU 240W

The Martin™ IP66 PSU 240W is an IP66-rated external power supply unit that can supply 48 VDC power to various Martin™ lighting and LED Video products, including the Exterior PixLine, Exterior Dot-HP and VC-Dot.

It provides an alternative to the P3 PowerPort in supplying power to fixtures in a DMX-controlled system.

Rugged extruded aluminum housing

Auto-ranging 100-240 VAC power input

Full protection with auto-recovery

FEATURES

- IP66-rated
- Wall-mountable
- Can be located up to 50 m (164 ft.) away from the creative LED video products
- No configuration or addressing required

TECHNICAL SPECIFICATIONS

Physical

Length: 314 mm (12.4 in.)

Width: 68 mm (2.7 in.)

Height: 39 mm (1.5 in.)

Weight: 1.5 kg (3.3 lbs.)

System integration

Exterior PixLine™ family

Exterior Dot-HPTM family

VDO Sceptron™ family

VC-Dot™ family via VC-Feeder™

VC-Grid™ family (indoor product)

VC-Strip™ family (indoor product)

Tripix family

Construction

Housing: Aluminum

Finish: Clear anodized

Protection rating: IP66, NEMA 4X

RoHS compliant

Installation

Mounting: Fixation points for surface-mounting

Orientation: Any

Max. cable length: See connected product user manuals

Max. number of connected fixtures: See connected product user manuals

Connections

AC mains power input

Hard-wired (terminal block) via cable gland

48 VDC power output

To Tripix: Power Inserter Cable, Martin™ IP66 PSU 240 W to Tripix system, 0.25 m (9.8 in.), P/N 91611339

To VDO Sceptron: Input Y-Cable, XLR5 + Martin™ IP66 PSU 240W to BBD, 0.25 m (9.8 in.), P/N 91616050

To Exterior PixLine: Input Y-Cable, XLR5 + Martin™ IP66 PSU 240W to BBD, 0.25 m (9.8 in.), P/N 91616050

To Exterior Dot-HP: Input Y-Cable, XLR5 + Martin™ IP66 PSU 240W to BBD, 0.25 m (9.8 in.), P/N 91616050

To VC-Grid: Input Y-Cable, XLR5 + Martin™ IP66 PSU to XLR4, 0.25 m (9.8 in.), P/N 91616039

To VC-Strip: Input Y-Cable, XLR5 + Martin™ IP66 PSU to XLR4, 0.25 m (9.8 in.), P/N

91616039

To VC-Feeder (VC-Dot): Input Y-Cable, XLR5 + Martin™ IP66 PSU 240W to IP65 connector, 0.25 m (9.8 in.), P/N 11840195

See user manuals of compatible products for latest complete information on suitable cables and connectors, safety limits, etc.

Electrical

AC power input: 100-240 V nominal, 50/60 Hz

Power supply unit: Auto-sensing multi-voltage switch-mode

DC power output: 48 V

Maximum DC output power: 240 W

Maximum DC output current draw: 5 A

Protection: Overvoltage, overcurrent, short circuit, over-temperature, all with auto-recovery

Thermal

Cooling: Convection

Maximum ambient temperature (Ta max.): 45° C (113° F)

Minimum ambient temperature (Ta min.): -30° C (-22° F)

Maximum surface temperature, steady state, Ta=45° C (113° F): 80° C (176° F)

Total heat dissipation (calculated, including max. number of connected devices, all at full load): 820 BTU/hr.

Approvals

EU safety: EN 60598-2-6, EN 61347-2-13

EU EMC: EN 55015, EN 61000-3-2, EN 61000-3-3, EN 61547

US safety: UL 1012

Canadian safety: CSA C22.2 No. 107.1

Australia/NZ: RCM

Accessories

Power Inserter Cable, Martin™ IP66 PSU 240 W to Tripix™ system: P/N 91611339

Input Y-Cable, 5-pin XLR + Martin™ IP66 PSU 240W to BBD, 0.25m (9.8 in.): P/N 91616050

Input Y-Cable, 5-pin male XLR + Martin™ IP66 PSU 240W to 4-pin fem. XLR, 0.25 m (9.8 in.): P/N 91616039

Input Y-Cable, 5-pin male XLR + Martin™ IP66 PSU 240W to IP65, 0.25 m (9.8 in.): P/N 11840195

Ordering Information

Martin™ IP66 PSU 240 W (replaces Tripix™ Power IP66): P/N 90760330

