



Features

- IP65 Rating
- Outdoor-Ready Durability
- Dual-Use Flexibility
- Automated Quality Control
- Built-in fuse in each cabinet
- Clear internal cable connection
- 5 Years Standard Warranty (extendable up to 7 years)

The Orion P6.6 Outdoor Betelgeuse Series is a high-performance outdoor display solution designed to meet demanding visual and environmental requirements. All outdoor products in this series are IP65 rated, ensuring superior protection against dust and water, while delivering high brightness and contrast for exceptional visibility. A specially engineered louver design enhances contrast and allows clear viewing even in bright daylight without compromising the viewing angle, making it ideal for both indoor and outdoor applications. Utilizing the most advanced surface mount technology, the series ensures precise control over paste application, automatically rejecting nonconforming prints to maintain a high overall yield rate. Only the highest quality PCBA materials are used, with every PCB undergoing a minimum of 24 hours of heat treatment before SMD LED mounting, ensuring durability and reliability. Additionally, all color-coded cables are of premium quality, and each cabinet is equipped with a fuse to guarantee safety during installation and maintenance.

Technical Specification

S.NO.	Product Parameter	SMD P6.6
1	Pixel Pitch in mm	6.6
2	Pixel Density in sqm	23104
3	Module Size in mm	320X160
4	Cabinet Size in mm	960 x 960
5	Cabinet Weight in KG	27
6	Viewing Angle in H/V	Customised
7	Brightness in cd/sqm	6,000
8	Color Depth	16 Bit
9	Refresh Rate in Hz	≥3840
10	Voltage	220v
11	Avg. Power Consumption (W)	300
12	Max Power Consumption (W)	700
13	Service Excess	Rear
14	IP Grade Front/Rear	65/54
15	Operating Temperature (-/+)	-10°C~+65°C
16	Operating Humidity	0-99%
17	Life Time in hrs	1,00,000
18	MTBF in hrs	10,000

S.No	Component Parameter	SMD P6.6
1	LED Chip	Nation star Gold Bond
2	PCB	4 Layer
3	Driver IC	MBI/ICN
4	Power Supply	Meanwell
5	Controller	Nova
6	Cabinet Material	Die Cast

Specifications and product information are subject to change without prior notice due to ongoing innovation and development. For the most up-to-date details, please visit www.orion-led.com.



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