ELEMENT 400

COOL UNDER PRESSURE. CLEAR IN ANY WEATHER.

Built for the Elements. Made for Impact.

ATS PRO®

2025 ELEMENT 400 SERIES: FIXED OUTDOOR LED BY ATS-PRO

16:9 Golden Ratio Design with Flexible Panel Options

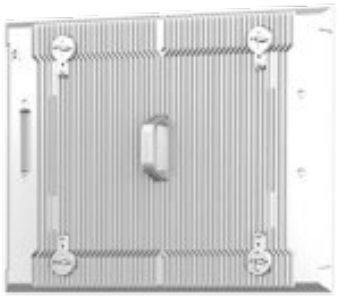
Engineered with a true 16:9 golden ratio, these SMD outdoor LED panels are ideal for creating seamless Full HD and 4K displays with perfect scaling. To suit various installation needs, the panels are available in multiple sizes—including 800×900mm, 800×1200mm, and 1200×900mm—offering greater design flexibility for both standard and custom layouts.

Ultra-High Brightness for Any Outdoor Environment

With an impressive brightness level of up to 10,000 nits, these panels ensure vibrant, crystal-clear visuals even in direct sunlight. The ultra-high brightness enhances visibility in any lighting condition, making them perfect for sports venues, public squares, and other high-impact outdoor applications.

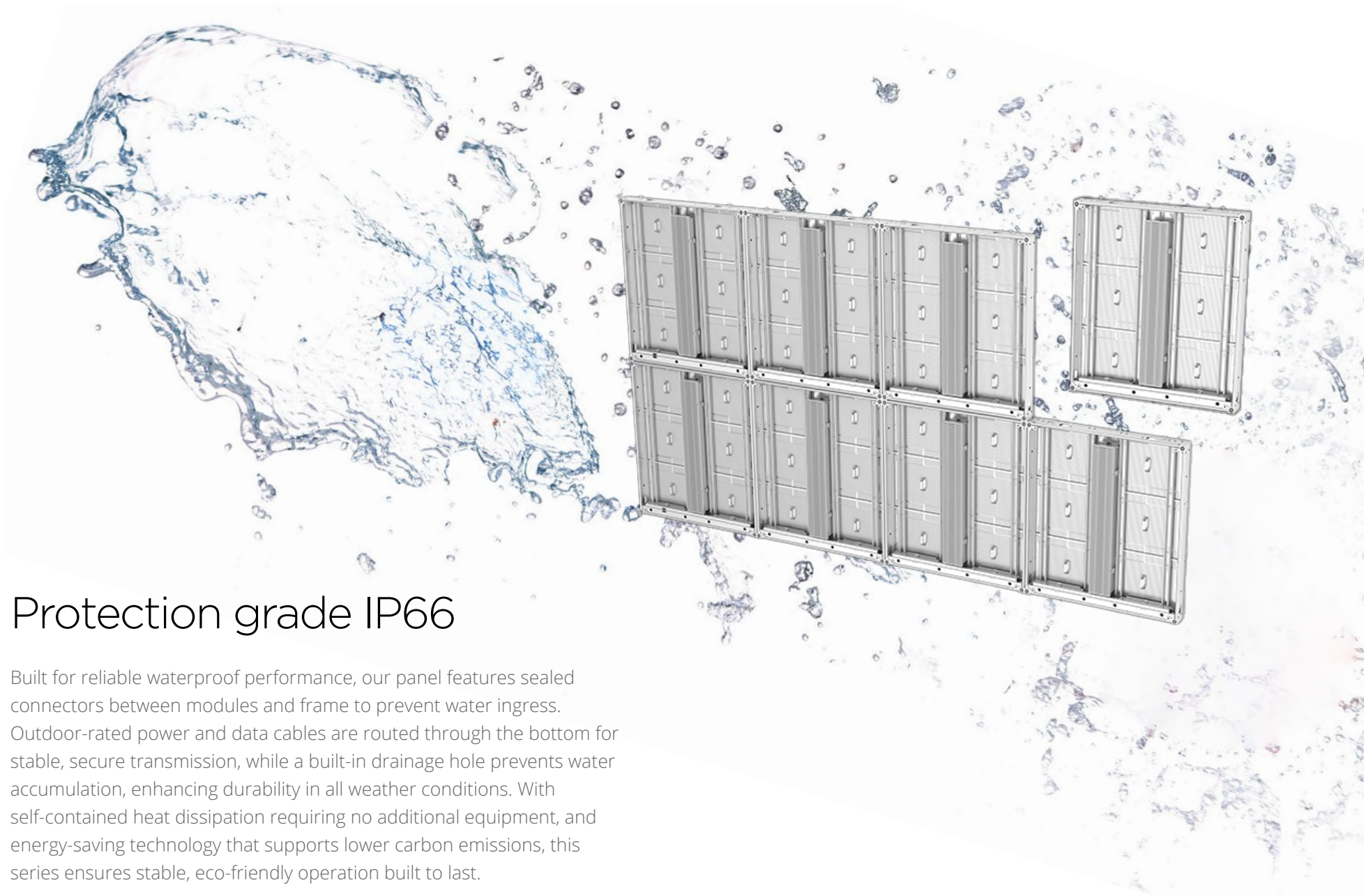
Exceptional Engineering: Heat Dissipation

The aluminum module chassis and panel frame are engineered to accelerate heat dissipation, ensuring efficient thermal management. A dedicated heat sink design on both the module chassis and power supply unit further enhances cooling performance. Additionally, the white-colored frame reflects sunlight, helping to minimize heat absorption and reduce overall panel temperature.



Front and Back Maintenance

Our modules feature a fast-lock design, allowing for quick and easy locking or unlocking with a simple tool—accessible from either the front or rear of the panel. This user-friendly system streamlines maintenance and minimizes down-time, making it ideal for time-sensitive installations.



Protection grade IP66

Built for reliable waterproof performance, our panel features sealed connectors between modules and frame to prevent water ingress. Outdoor-rated power and data cables are routed through the bottom for stable, secure transmission, while a built-in drainage hole prevents water accumulation, enhancing durability in all weather conditions. With self-contained heat dissipation requiring no additional equipment, and energy-saving technology that supports lower carbon emissions, this series ensures stable, eco-friendly operation built to last.

Cable Free Back

All cables are neatly concealed at the top of the cabinet, creating a clean, streamlined appearance while also reducing the risk of accidental disconnection during transport, installation, or maintenance. This thoughtful design not only enhances aesthetics but also improves overall reliability and safety.

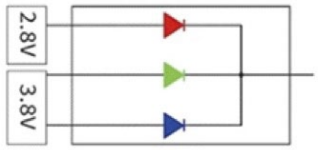
CCES Technology

CCES is abbreviate for Common Cathode Energy Saving technology.

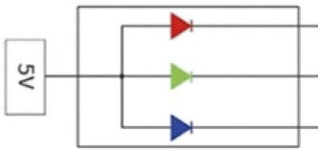
Benefits:
Accurate electricity distribution for RGB LED chips to save energy and lower the power consumption by more than 30%.

Less heat generated from electrical components prolongs the lifespan of the panel.

With a lower temperature inside the panel, electrical components can work more stably to provide better video quality.



Common Cathode Aluminum LED Display



Conventional LED Display

Specifications

ATS-PRO Element 400 Series LED panel shown.

Specifications	EL400P6	EL400P8	EL400P10
LED Type	SMD2727	SMD2727	SMD3535
Pixel Pitch (mm)	6.6	8.33	10
Panel Dimensions (W*H)/(mm)	800x1200x86 800x900x86	800x1200x86 800x900x86	800x1200x86 800x900x86
Pixel Per Panel	120x180 120x135	96x144 96x108	80x120 80x90
Panel Weight (kg/m^2)	31	30	31
Panel Material	Aluminum	Aluminum	Aluminum
Module Dimensions (W*H)/(mm)	400mm x 300mm	400mm x 300mm	400mm x 300mm
Brightness (nit)	6,500-10,000	6,500-10,000	6,000-10,000
Refresh Rate (Hz)	3,840Hz	3,840Hz	3,840Hz
Grayscale (bit)	14-16 bit	14-16 bit	14-16 bit
Contrast Ratio	10,000:1	10,000:1	10,000:1
Color Temperature (K)	8,000	8,000	8,000
Viewing Angle (H/V) (°)	H-160°, V/Up-30°, V/Down-60°	H-160°, V/Up-30°, V/Down-60°	H-160°, V/Up-30°, V/Down-60°
Driving Type	6 scan	3 scan	3 scan
AC Operating Voltage (V)	100-240V	100-240V	100-240V
Power Consumption (Max./Avg.) (W/m^2)	580/174	550/165	550/165
Storage Temperature (°C)	-40~+60°C	-40~+60°C	-40~+60°C
Operating Temperature (°C)	-40~+55°C	-40~+55°C	-40~+55°C
Storage Humidity (RH)	10%~60%RH	10%~60%RH	10%~60%RH
Operating Humidity (RH)	10%~95%RH	10%~95%RH	10%~95%RH
IP Rating (Front/Rear)	IP66	IP66	IP66
LED Lifetime (H)	10,000	10,000	10,000
Module Maintenance	Front/Rear	Front/Rear	Front/Rear
PSU & Other Maintenance	Front/Rear	Front/Rear	Front/Rear
Panel Installation Type	Fixed	Fixed	Fixed
Certification	ETL/FCC	ETL/FCC	ETL/FCC

Specifications subject to change. Please contact ATS-Pro for updated specifications.

Masters in the Art of LED

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