



VMS Boards & Traffic Management Catalogue 2023





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VMS BOARDS

Five Colour

Amber Colour

Full-Colour RGB

ARROW BOARDS

Arrow Board Trailer

Truck Arrow Board

TMA Arrow Board

Arrow & Chevron Boards

SOLAR LIGHTS

Cylinder Light

Warning Light

SPEED SIGNS

Radar

Portable Radar

Variable Speed Limit

Automated Flagger

Portable Traffic Signal

ABOUT US

Welcome to TARF Group, your premier destination for cutting-edge traffic management solutions! We specialise in providing state-of-the-art Variable Message Signs (VMS), speed radars, and traffic lights to help ensure optimal road safety and efficient traffic control. Whether you need advanced warning systems for motorists, notifications about road closures or detours, or effective promotion for events or products, we have you covered.



Our technologically advanced products empower transportation authorities, event organisers, and businesses to communicate effectively with drivers and pedestrians, enhancing overall road safety and minimising traffic congestion. Our VMS displays offer dynamic messaging capabilities, enabling you to relay vital information about roadworks, conditions, school zones, pedestrian areas, or roadwork zones, ensuring the utmost awareness and caution from motorists.

When notifying drivers about road closures or detours, our solutions provide seamless updates, directing traffic efficiently and minimising disruptions. Our speed radars contribute to maintaining appropriate speed limits, ensuring the safety of both drivers and pedestrians. Our traffic lights are also designed to optimise traffic flow, minimise congestion and enhance overall road efficiency.



Not only do our products prioritise safety and traffic management, but they also offer valuable promotional opportunities. Whether you're organising a sporting event or festival or need to advertise products like cars or property developments, our VMS displays can be customised to capture attention and generate buzz.

At TARF Group, we pride ourselves on delivering exceptional products that meet the highest industry standards. Our experts are dedicated to understanding your needs and tailoring solutions to meet them precisely. We strive to provide seamless integration, ease of use, and reliable performance, ensuring your complete satisfaction.

Join the ranks of our satisfied clients who have experienced enhanced safety, efficient traffic management, and successful event promotions. Explore our comprehensive range of Variable Message Signs, speed radars, traffic lights, and more to unlock a new level of control, safety, and communication on the road.

Contact us today to learn more about our innovative solutions and how we can help you achieve your traffic management goals. Together, let's create safer roads and more efficient traffic systems for a better tomorrow.



5 COLOUR SOLAR POWERED VARIABLE MESSAGE SIGNS

SIZE	A SIZE	B SIZE	C SIZE
Model	YT-VM220C5	YT-VM320C5	YT-VM400C5
Display Size	1600 x 1100mm	2100 x 1400mm	2550 x 1710mm
Trailer Dimension (LxWxH)	3050 x 1800 x 2300mm	3150 x 1900 x 2400mm	3650 x 2050 x 2600mm
Brake System	No	Disc Brake	Disc Brake
Coupling	50mm Ball	50mm Ball	50mm Ball
Travelling Height	2300mm	2400mm	2600mm
Type	13inch	13inch	14inch
Weight	600kg	850kg	1000kg

APPLICATION

- Advanced Warning to Motorists about Roadworks/Conditions
- School, Pedestrian or Roadwork Zones
- Notification of Road Closures or Detours
- Used with Radar to Display Traffic Speed
- Promotion of Events, e.g. Sporting Events or Festivals
- Product Advertising, e.g. Car Yard, Property Development

DISPLAY

Display Type: Full LED Matrix
Matrix: 48 x 28
Colour Display: Amber, Red, White, Green, Blue
Enclosure: Aluminum IP54 equivalent
Screen: Non-Glare UV polycarbonate
Brightness Control: Auto & 15 Levels
Display Lifting: Hydraulic Lift System

CONTROLLER AND PROGRAMMING

Remote Programming Options: Laptop via Serial Port or Web Remote Manager
Interface: Windows Compliant-Free Automatic Software Updates
Predefined Images: 90
Predefined Animations: 20
Radar: Radar Logging/Remote Removal, Logging Speed Data/Time Traffic Control
Large Storage: Up to 100 Individual Messages with Various Page Sizes
Communication: RTA Communications Protocols
Web-based Interface: Via Live Internet Connection
Security: GPS Trackable

POWER

Voltage: DC12V
Battery: 2 x 200Ah Gel
Solar Panel: 3 x 150 Watt Panels
Solar Controller: EP Solar MPPT 30A
Operation on Battery / Solar: Indefinite Under Normal Conditions

OPTIONAL EXTRAS

- Speed Radar Device
- PC for On-Site Programming
- Spare Wheel
- AC 240v Power Socket with Battery Charger Speed



AMBER SOLAR POWERED VARIABLE MESSAGE SIGNS

SIZE	A SIZE	B SIZE	C SIZE
Model	YT-VM220C5	YT-VM320C5	YT-VM400C5
Display Size	1600 x 1100mm	2100 x 1400mm	2550 x 1710mm
Trailer Dimension (LxWxH)	3050 x 1800 x 2300mm	3150 x 1900 x 2400mm	3650 x 2050 x 2600mm
Brake System	No	Disc Brake	Disc Brake
Coupling	50mm Ball	50mm Ball	50mm Ball
Travelling Height	2300mm	2400mm	2600mm
Type	13inch	13inch	14inch
Weight	600kg	850kg	1000kg

APPLICATION

- Advanced Warning to Motorists about Roadworks/Conditions
- School, Pedestrian or Roadwork Zones
- Notification of Road Closures or Detours
- Used with Radar to Display Traffic Speed
- Promotion of Events, e.g. Sporting Events or Festivals
- Product Advertising, e.g. Car Yard, Property Development

DISPLAY

Display Type: Full LED Matrix

Matrix: 48 x 28

Colour Display: Amber, Red, White, Green, Blue

Enclosure: Aluminum IP54 equivalent

Screen: Non-Glare UV polycarbonate

Brightness Control: Auto & 15 Levels

Display Lifting: Hydraulic Lift System

CONTROLLER AND PROGRAMMING

Remote Programming Options: Laptop via Serial Port or Web Remote Manager

Interface: Windows Compliant-Free Automatic Software Updates

Predefined Images: 90

Predefined Animations: 20

Radar: Radar Logging/Remote Removal, Logging Speed Data/Time Traffic Control

Large Storage: Up to 100 Individual Messages with Various Page Sizes

Communication: RTA Communications Protocols

Web-based Interface: Via Live Internet Connection

Security: GPS Trackable

POWER

Voltage: DC12V

Battery: 2 x 200Ah Gel

Solar Panel: 3 x 150 Watt Panels

Solar Controller: EP Solar MPPT 30A

Operation on Battery / Solar: Indefinite Under Normal Conditions

OPTIONAL EXTRAS

- Speed Radar Device
- PC for On-Site Programming
- Spare Wheel
- AC 240v Power Socket with Battery Charger Speed



P10 RGB SOLAR POWERED VARIABLE MESSAGE SIGNS

TRAILER SPECIFICATIONS

Length (Overall)	3600mm
Width (Travel Position)	1640mm
Height (Travel Position)	2700mm
Height (Max Operating Position)	3750mm
Weight	1050kg
Tyres	185R14C
Coupling	Quick Release, 50mm Ball
Display Lifting	Hydraulic Lift System

FEATURES & APPLICATION

- Allows full use of the RGB colour spectrum
- Can display words, pictures, animations and videos
- Features the highest quality LEDs for maximum clarity and brightness
- Can be accessed either on site or via a remote web browser
- Promotion of Events, e.g. Sporting Events or Festivals
- Product Advertising, e.g. Car Yard, Property Development

DISPLAY

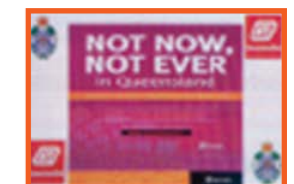
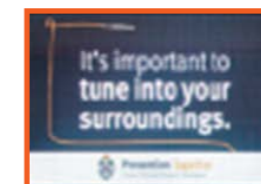
Display Type: P10 Full Color
Display Size: 2500 x 1300mm
Display Viewing Area: 2400 x 1200mm
Matrix: 240 x 120
Viewing Angle: 70°
Brightness: 7000cd/m²
IP Class: IP65

POWER

Voltage: DC24V
Battery: 2 x 250Ah Gel
Solar Panel: 3 x 320 Watt Panels
Solar Controller: EP Solar MPPT 40A
AC socket: Yes
Average power : 140W
Max power: 460W
Operation on Battery / Solar: Can operating 85hrs under normal display without charging. If under good sun conditions, solar panel can charge 6hrs a day and display normal message 24 hours a day.

CONTROLLER AND PROGRAMMING

Controller: NovaT3
Programming Options: Ethernet via laptop, WiFi or Web Remote Manager
Display File Formats: Text, Pictures and Video
Security: GPS Trackable



ARROWBOARD TRAILER



APPLICATION

- Highest Quality LEDs
- Solar Powered and Environment Friendly
- Wireless Hand Controller and Manual Switch

APPLICATION

- Advanced Warning to Motorists about Roadworks/Conditions
- School, Pedestrian or Roadwork Zones
- Traffic Control
- Emergency Response Vehicles

POWER

- Voltage:** DC12V
- Battery:** 1 x 200Ah Gel
- Solar Panel:** 1 x 140 Watt Panel
- Solar Controller:** 1 x 10A

DISPLAY

- Display Size:** 2400 x 1200mm
- Material:** Aluminium
- LED:** 15 or 25

- Brightness:** Auto-Dimming
- Display Lifting:** Hydraulic Lift System
- Display Mode:** 4-12 Function Display

Length (Overall)	3060mm
Width (Travel Position)	1480mm
Height (Travel Position)	2300mm
Height (MAX. Operating Position)	3300mm
Weight	550kg
Tyres	165/70R13
Coupling	50mm Ball

TRUCK MOUNTED ARROWBOARD



APPLICATION

- Advanced Warning to Motorists about Roadworks
- School, Pedestrian or Roadwork Zones
- Traffic Control
- Emergency Response Vehicles

FEATURES

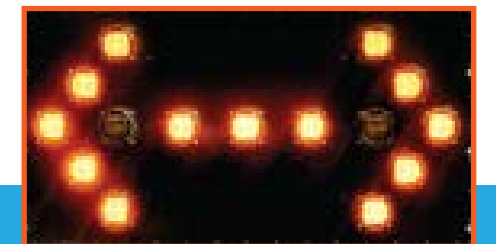
- Energy Efficient High-Intensity LED Lamps
- Auto-Dimming
- Easy Installation and Set Up
- Wireless Hand Controller / Manual Switch

DISPLAY

- Display Size:** 1500 x 770mm, 1200 x 650mm, 2400 x 1200mm
- Material:** Aluminium
- LED:** 15 or 25
- Brightness:** Auto-Dimming
- Display Lifting:** Hydraulic Lift System
- Display Mode:** 4-12 Function Display

POWER

- Voltage:** DC12V / DC24V



TMA ARROWBOARD



GREY ARROWBOARD (Top Section with Lights)

Size (L x W): 2300 x 1250mm

Material: Aluminium

LED Light: Aluminium

SUPPORTING FRAME (Bottom Yellow Section)

Size (L x W): 2300 x 1250mm

Blue Round Arrow: 1500mm, electrical actuator auto with signal

LED Light: 4 pieces, 300mm traffic yellow

Lifting: Hydraulic system (up and down)

Frame: Bottom and back support fixing frames

DISPLAY

- 5 display modes
- Brightness adjustable

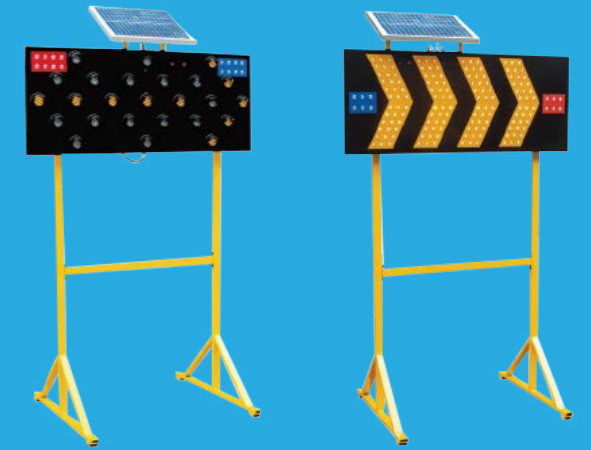
CONTROLLER

- Remote touch screen

POWER

Voltage: DC24V Input

SOLAR ARROW & CHEVRON BOARDS



Model No.	YT-SA12 Chevron	YT-SA12 Arrowboard
Size	1200 x 500mm	1200 x 500mm
No. of Panels	4 Groups	-
No. of LED	144	25
Colour of LED	AMBER	AMBER
Display	Sequential & Flashing	12 Display Mode
Arrow Board Material	1.5mm Aluminium Sheet	1.5mm Aluminium Sheet
Reflective Film	Engineering Grade: Red & Blue	Engineering Grade: Red & Blue
Solar Panel Standard	22V/20W	22V/20W
Battery Standard	12V/17Ah	12V/17Ah
Maximum Power	20W+5%	20W+5%
Voltage	12V	12V
Current	Less Than 0.1A	Less Than 0.1A
Open Circuit Voltage	17.5V	17.5V
Operating Temperature	-30 TO 80 Degree	-30 TO 80 Degree
Working time in Rainy Days	Over 300hrs	Over 300hrs
Visible Distance	1000 Metres	1000 Metres
Application Class	A	A

SOLAR CYLINDER LIGHT



SPECIFICATIONS & TECHNICAL DATA

Luminous	4 Pieces LED (20000-22000mcd)
Solar Panel Power	0.4W/4V
Recharge Battery	Ni-MH 2 Pieces 2.4V/450Ah
Material	AS Lens And PP Base
Flash Frequency	60/120 Times Per Min
Mode	3 (Flash, Quick Flash and Steady)
Service Life	1 Years
LED Visibility Distance	700m
Operation on Battery / Solar:	Between 120-150 Working Hours Without Solar Charging
Light Sensor	Inside Switch With Photosensor Turns The Light On at Dusk and Off at Dawn
Security	Lock Metal Bracket Is Available

SOLAR WARNING LIGHT



SPECIFICATIONS & TECHNICAL DATA

Luminous	4 Pieces LED (20000-22000mcd)
Solar Panel Power	0.4W
Recharge Battery	Ni-MH 2 Pieces 1.2V/2200mAh
Material	AS Lens And PP Base
Flash Frequency	120 Times Per Min
Mode	3 (Flash, Quick Flash and Steady)
Service Life	2-3 Years
LED Visibility Distance	700m
Operation on Battery / Solar:	Between 120-150 Working Hours Without Solar Charging
Light Sensor	Inside Switch With Photosensor Turns The Light On at Dusk and Off at Dawn
Security	Lock Metal Bracket Is Available

RADAR SPEED SIGNS



SPECIFICATIONS & TECHNICAL DATA

Digital Display Format	188 (3-Digit Display) "8"
Specification	"12" X "8"
Colour	Red & Green Number Of "8"
Lamp Beads	3 Columns - "188"
Size (WxH)	579mm X 320mm
Box Size (WxHxD)	690 x 1284 x 200mm Contains Door that Opens at Back
Box Colour	Blue-Gray or Black Dependant of stock availability
Voltage	DC 12V
Power Supply Mode	Solar Power Supply Or Local Power Supply
Composition	Solar Panel 12V 80W – Battery 12V 65Ah
Radar	Suitable For 3-4 Lanes At The Same Time
Maximum Detection Speed	199 Km/H (Single Column Hoop Installation)

PORTABLE RADAR SPEED SIGNS



FEATURES

- Solar Powered
- Easy Operation
- High Visibility Led
- Hot Dip Galvanized Trailer
- Wireless Control

LED DISPLAY

Display Size: 1030 x 1030mm High

Viewing Size: 900 X 900mm

Display Feature: Red Ring Outside and Three Digit Number Inside

Colour: Red, Amber and/or White

Radar Detecting Speed: 0-299km/H, K Band , Single Lane

POWER SYSTEM

Battery: 1 X 100Ah Gel Battery

Solar Panel: 1 X 150W

Solar Controller: 1 x 10A

CONTROLLER

- Wireless 4g Remote And Cable Connection
- Radar Fitted In With Speed Detecting
- Over Speed Display
- Speed Limit Setting

TRAILER MOUNTED VARIABLE SPEED LIMIT SIGN



FEATURES

- Solar Powered
- High Visibility LEDs
- Hot Dip Galvanized Trailer

DISPLAY

Display Size: 1030 x 1030mm
Color: Red, Amber, White
Radar Detecting Speed: 0-299Km/h, K band , Single Lane

POWER

Battery: 1 x 200Ah Gel
Solar Panel: 1 x 150 Watt Panel
Solar Controller: 1 x 10A

CONTROLLER

- Wireless 4G Remote & Local Access
- Radar Fitted in with Speed Detecting
- Over Speed Display
- Speed Limit Setting

Length (Overall)	2550mm
Width (Travel Position)	1660mm
Height (Travel Position)	2300mm
Height (MAX. Operating Position)	3300mm
Weight	500kg
Tyres	165/70R13
Coupling	50mm Ball

AUTOMATED FLAGGER



GATE SYSTEM

LED Signal: 300mm Red, Green and Yellow
Gate Arm Length: 3000mm Foldable (Can Be Customised)
Control: Remote Radio Frequency 433Mhz
Range: Max 500 metres
Operation: LED Signal and Gate Arm can be Operated Synchronized or Asynchronized by Remote Control

POWER

Voltage: DC24V
Battery: 1 x 24V 50Ah
Solar Panel: 1 x 24V 100 Watt Panel
Solar Controller: 1 x 140 Watt Panels

TRAILER SIZE

Length: 1900mm (With Drawbar)
Width: 1360mm (With Fender)
Height: 2150mm/ 3350mm (Operating Height)
Wheel: 13 Inch
Operation: Two Trailers Can Be Joined and Towed Together



PORTABLE TRAFFIC SIGNAL



FEATURES

- Solar Powered
- Easy Operation
- High Visibility LEDs
- Wireless Control

POWER (PER TRAILER)

Voltage: DC12V
Battery: 1 x 12v 200Ah Gel
Solar Panel: 1 x 12V 180 Watt Panel
Solar Controller: 1 x 12v 10A

CONTROLLER

- 433 MHz Radio Wireless Communication
- Automatic Timer
- LCD Remote Controller
- Effective range: 1 Km

TRAILER SIZE

Length: 2000mm (With Drawbar) OR 3240mm (Two Joined Together)
Width: 1460mm (With Fender)
Height: 2200mm / 3200mm (Operating Height)
Wheel: 13 Inch
Weight: 225kg



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