



The roadside outstation OPTIMUS is designed for the use in temporary traffic applications. For this reason, the outstation was optimized as a pole cabinet and developed for a mains independent operation.

The components used in the outstation are optimized for solar operation and preserve the energy resources. For monitoring and control of the system the communication is realized wireless with latest mobile communication technology.

OPTIMUS was designed so that various actuators and sensors can be connected quickly, easily and accurately by way of a plug system. Therefore, the conventional cabling and insertion of cables by use of fittings will be completely inapplicable.

The roadside outstation OPTIMUS is a compact all-in-one device and is most suitable for the operating and installation conditions of the temporary traffic engineering.



Datasheet outstation OPTIMUS

Features

- Solar optimized
- Easy installation
- Suitable for 12VDC and 24VDC systems
- Accurate and quick installation of all components by use of a plug system
- Intelligent, remote controlled energy management
- Temperature monitoring (internally/externally)
- 3G and 4G data communication to the sub-master station
- High availability due to use of latest mobile communication technology
- Communication by way of different protocols (e.g. TLS over IP)
- Remote access to all sections of the outstation (e.g. parameter, features, software updates etc.)
- Accurate location transmission via an integrated GPS module
- Control and monitoring of ethernet capable end devices (e.g. LED variable message signs, webcams etc.)
- Control and monitoring of LED variable message signs with parallel contacts
- Control of prewarning flashers
- Monitoring of solar charge controller
- Connection of sensors with serial interface RS232 and RS485 (functional group FG1 and FG2)
- Motor control and monitoring of variable message signs in prismatic technology (functional group FG4, dependent on used motor type)
- Cabinet door signal contact (functional group FG6)
- Integrated LED lighting bar

Name of the item:	Description and nominal value:
Manufacturer:	Green Way Systems GmbH
Dimensions cabinet:	W480xH680+80xD230mm (80mm = height of pedestal)
Material grade cabinet:	AlMg3
Dimensions mounting plate:	W450xH590mm, size 3mm
Material grade mounting plate:	Aluminium
	Cabinet tray continuously welded
Colour:	RAL 7035, powder coated, polyester quality
IP protection:	IP55, sealing circular foamed
Operating / storage temperature range:	-20°C to +60°C / -20°C to +70°C
Various:	Pressure compensation plug for diagonal ventilation (UV resistant), left bottom / top right
	DIN A4 plastic circuit diagram bag, fixed on the inner surface of the cabinet door
	Plastic carry handle (UV resistant), each left and right on the outer surface of the cabinet roof
	Hinge door one-wing
	Door stop right, door earthing by way of 6mm ² grounding wire at cabinet wall
	Swing arm handle prepared for profile half cylinder
	Closure by client or STUV PBA 7215
	2 pcs. halfen bars hot-dip galvanised, W480mm, type: HM49/30, horizontal installation
	For installation at a tripod pole
	Grounding bolts press threaded sleeve M8, quality A2, installed at cabinet floor
Weight:	21,0 kg
Power consumption:	approx. 6-7 W (according to stage of extension and functionality)
Certificates:	CE mark incl. declaration of conformity