

SiteGuard SG1

Stand alone rapid deployable security tower meticulously designed to house AJAX Intrusion protection devices for remote sites without power or connectivity.

SiteGuard provides 360 degree coverage of an area up to 30m with the use of up to 4 x MotionCam Outdoor devices; powered by built-in battery and solar technology; SiteGuard can provide perimeter protection without the need for mains power.

With no industry immune from crime; SiteGuard can be introduced across multiple sectors: construction sites, agricultural and farming land, vacant properties, storage units for equipment and machinery as well as event spaces.

KEY FEATURES

- Powered by built-in battery with Solar technology
- 4 x MotionCam Outdoor detectors to each side provides full 360° coverage
- Detection range 3-15 meters
- 2 x 113db Sounders, sound on activation or remotely activated
- Remote Management & Alert Notification via App (iOS & Android)
- Sim Card included for 4G connectivity
- Scenarios for auto Arm/Disarm in line with operating hours
- Anti-tamper & anti-masking technology *(will alert when system is both armed & disarmed)*
- Alert verification with high quality images on activation, along with Photo-on-Demand feature
- Easily re-located between sites
- Ability to manage multiple secondary units & other AJAX devices

TOWER INCLUDES:

- 12v Solar Panel with Charge Controller
- Secure IP enclosure for Charge Controller & AJAX Hub
- Laser cut & threaded mountings for all AJAX Devices
- Securing screws for all AJAX Devices
- Wiring loom for battery connection
- External charge connector
- 2 x Sturdy Anti-Vibration Feet
- Galvanised Steel Body & Base
- 2 x Removable Travel Feet *(standard)*

DIMENSIONS

- Height: 1380mm
- Base Width: 680mm *(inc. feet)*
- Weight: 37-70kg *(Dependent on battery used)*



25W 18V MONO SOLAR PANEL

- IP-65 waterproof junction box
- Durable aluminum frame
- Over 20 years lifespan
- Built-in diode to prevent reverse current
- High bearing capacity with tempered glass

Electrical Data

Rated power	25W
Solar cell	Monocrystalline
Maximum/Peak voltage(Vmp)	18V
Open circuit voltage(Voc)	22.41V
Short circuit current	1.54A
Maximum current	1.4A

Mechanical Data

Size	421×320×20mm (16.5×12.6×0.7 inch)
Weight:	0.75kg (3.0 lbs)
Front surface:	Tempered glass
Length of extension cable:	100cm (39 inch)
Junction box waterproof:	IP65

All specifications and data described in this data sheet are tested under standard test conditions (STC - Irradiance: 1000W/m², Temperature: 25 C, Air Mass: 1.5) and may deviate marginally from actual values.



CHARGE CONTROLLER

MPPT 75/10

Battery voltage	12/24V
Rated charge current	10A
Nominal PV power, 12V 1a,b)	145W
Nominal PV power, 24V 1a,b)	290W
Max. PV short circuit current 2)	13A
Automatic load disconnect	Yes
Max. PV open circuit voltage	75V
Peak efficiency	98%
Self-consumption – load on	12V: 25 mA 24V: 15 mA
Self-consumption – load off	12V: 25 mA 24V: 15 mA
Charge voltage 'absorption'	14,4V / 28,8V (adjustable)
Charge voltage 'float'	13,8V / 27,6V (adjustable)
Charge algorithm	Multi-stage adaptive
Temperature compensation	-16 mV / °C resp. -32 mV / °C
Max. continuous load current	15A
Low voltage load disconnect	11,1V / 22,2V / 44,4V or 11,8V / 23,6V / 47,2V or Battery Life algorithm
Low voltage load reconnect	13,1V / 26,2V / 52,4V or 14V / 28V / 56V or Battery Life algorithm
Protection	Output short circuit / Over temperature
Operating temperature	-30 to +60°C (full rated output up to 40°C)
Humidity	95%, non-condensing
Power terminals	6 mm ² / AWG10
Protection category	IP43 (electronic components), IP22 (connection area)
Weight	0,5 kg
Dimensions (h x w x d)	100 × 113 × 40 mm
Safety	EN/IEC 62109-1, UL 1741, CSA C22.2