

VG-eLock7A GPS Padlock with Extended Battery



VG-eLock 7A is a GPS tracking padlock with huge capacity battery. It combines rugged construction and sophisticated electronics of the 5A in a single compact package with a higher capacity battery. Used to replace mechanical seals for security of goods in transit. Used by logistics companies, container operators, customs agencies and goods manufacturers who need to track their loads independently of the vehicle. The eLock 7A is specifically suited for long haul container operations. It is mounted in seconds and provides instant security for the load.

The eLock A7 is sealed either through the keypad or via the Vibrant Global webplatform. You can change the password at any time to only allow unlocking once the vehicle has reached the required destination. The password can be sent over the air direct to the lock or to the driver or receiver of the goods and they can use the keypad to unseal and unlock.

- Live in-transit cargo monitoring
- Rugged lock designed for load security and convenience
- GPS tracking reports based on time and distance travelled so you always know where your goods are
- Alarm facility so you can be alerted if goods go off route, are late
- or tampering
- Remote seal and unseal of lock through web based secure user interface
- Keypad for seal and unseal of lock
- Password can be changed at any time using the web interface

Physical:

- Size: 100mmx70mmx40mm (L x W x H)
- Lock Lever: 8mm (diameter)
- Weight: 850g
- Battery: 10Ah Li Rechargeable
- Working Current: 20mA (working) 0.5mA (standby)
- Operating Temperature -25C to 60C
- Humidity: <90% RH
- Air pressure (86KPa~106KPa)
- Environmental: IP67

GSM module

- Band: 850/900/1,800/1,900MHz
- Tally with: GSM phase 2/2+
- Class 4 (2W, 850/900MHz)
- Class 1 (1W, 1,800/1,900MHz)
- GPRS multi-slot class 12
- GPRS mobile station class B
- Max RF output: 33.0, ± 2 dBm
- Dynamic input range: -15 to -102dBm

GPS module:

- Frequency: L1, 1575.42 MHz, GPS L1 C/A.
- Number of Channel: 50.
- GPS sensitivity: -160dBm
- Positioning accuracy: 2.5m
- Reacquisition: 0.1 sec, average
- Hot boot: 1 sec., average
- Warm boot: 28/32 sec., average
- Cold boot: 28/32 sec., average
- Altitude limit: 50,000 m
- Velocity limit: 500 m/s

Remote monitoring functions VG eLock 5A

Functions		Description
Location	Time interval monitoring	Upload location data according to time interval Upload
	Distance interval monitoring	location data according to distance interval
	Call over monitoring	Upload location data according to the centre command When the
Alarm	Across border alarm	target go into or out of the monitoring area When the target depart
	Depart the track Over	the track
	speed	When the target is over speed When
	Damage alarm	the device is damaged
Remote control	Remote control	Send the seal or unseal command from the centre
Setup	Remote setup Over	Remote setup some parameters Over
Other	speed report	speed report
	Sleep mode	Sleep mode for energy saving