

## 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 web platform. 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.

### Features

- 📍 **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
- 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

## 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, ±2dBm
- Dynamic input range: -15 to -102dBm

## GPS module:

### Remote monitoring functions VG eLock 5A

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