

SOLAR POWERED BLE SMART LOCK

SolarGuardX 120 BLE

Solar-powered BLE padlock for high-value assets – works as a slave lock with SolarGuardX trackers and seals.



Key features

-  Solar panel
-  Unlock by RFID, BLE, master lock
-  Built-in strong magnet
-  Waterproof IP67
-  Firmware update over the BLE app
-  Motion detection
-  Alarms for locking, unlocking, rope cutting and cover removal
-  Indicator lights and buzzer
-  BLE 5.3 Long Range – up to 1000 m
-  RFID



WEIGHT
535 g (18.9 oz)



DIMENSIONS
113.8 × 90 × 36.9 mm
(without rope)



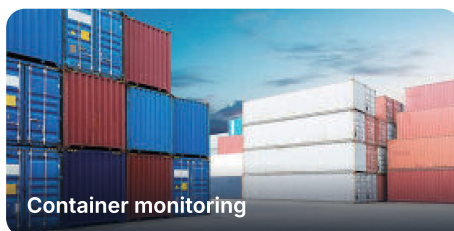
OPERATING TEMP.
-40 °C ~ +85 °C



BATTERY
Li-Polymer 2500
mAh / 3.7 V

Applications

CERTIFICATES (PLANNED)



Technical specifications

Interfaces	
Charging port	2-pin, 5 V DC
E-lock configuration port	USB-C connector
Indicator LED	Solar charging status, battery, BLE, RFID
Power-on button	1
Temperature sensor	1 temperature sensor
BLE 5.3 Long Range	Yes
General	
Waterproof	IP67
Dimensions	113.8 × 90 × 36.9 mm (4.48" × 3.54" × 1.45")
Weight	535 g (18.9 oz)
Battery	Rechargeable Li-Polymer 2500 mAh / 3.7 V
Standby time	With solar charging: unlimited
Charging	2-pin (5 V 3 A adaptor recommended, approx. 3 h charging)
Operating temperature	-40 °C ~ +85 °C (-40 °F ~ 185 °F)
Transmission range	Up to 1000 m / 3280 ft (open field, power 8 dBm – default, BLE 5.3 Long Range)
Mounting	Built-in magnet
Alarms	Locking, unlocking, rope cutting, cover removal
Certifications (planned)	CE, RCM, IC, FCC, ATEX