

LineIQ Quick Installation Guide

SAFETY

Personnel using equipment on energised lines must be authorised by the relevant regulatory bodies to carry out such work and must have appropriate training. It is the user's responsibility to ensure that correct and safe procedures are followed at the actual worksite. Prior to installing the equipment, the operator must carry out a worksite job hazard assessment to identify safety hazards and then take appropriate actions to minimise risks.

For the correct and safe use of this equipment, it is essential that all operating personnel follow appropriate safety procedures. Check your employer or relevant regulatory body's rules for working with energised equipment.

GridSense offers no warranty or indemnity for accidents that may occur when following these instructions.

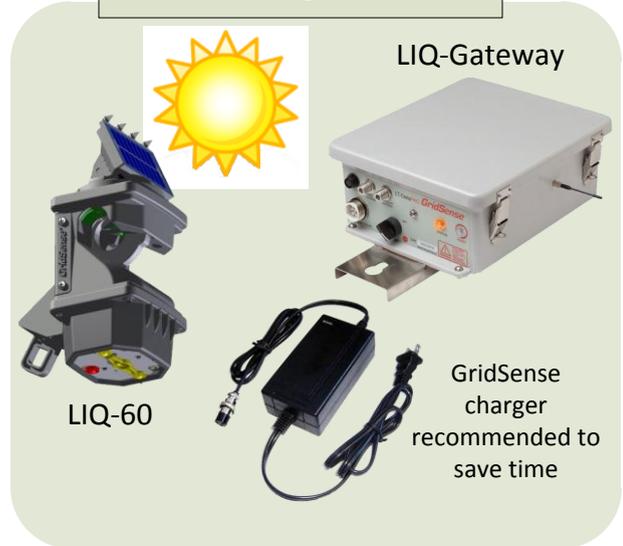
2 LIQ-Gateway

If used, configure and install cellular modem.
If a third party radio modem is to be installed, configure and mount it on the inside of the LIQ-Gateway's lid using the mounting hardware provided.
Fit all unused external connectors with blanking plugs.



1 Charging

Ensure that the batteries are charged.



3 Power on

Turn on the LIQ-60 and LIQ-Gateway and wait for start-up to complete:

- LIQ-60: 8 red flashes, 8 amber flashes, then red once every second awaiting commissioning, and amber status flash every 30 sec.
- LIQ-Gateway: Red 'Fault' LED flashes rapidly for 3 sec., amber 'Status' LED flashes rapidly for 3 sec., then amber once per sec. awaiting commissioning.



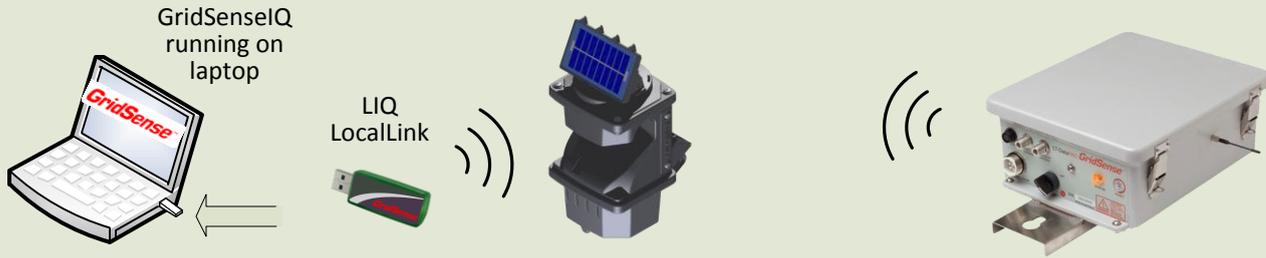
then
Every sec



then
Every sec

4 Configure LIQ-Gateway & LIQ-60

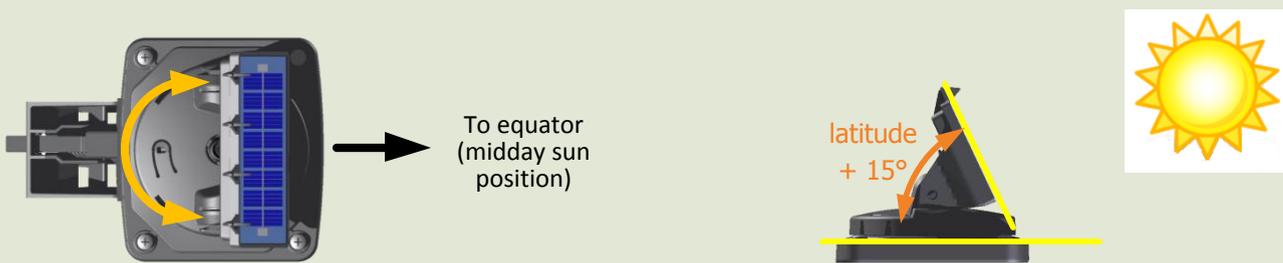
The LIQ-60 is configured using GridSenseIQ software on a laptop, either via its associated LIQ-Gateway (when there is one), or directly using LIQ-LocalLink. Follow the GridSenseIQ onscreen instructions. If the LIQ-60 is not manually commissioned, it will automatically commission to a default configuration 1 hr after being switched on.



5 Adjusting the LT-60 solar panel

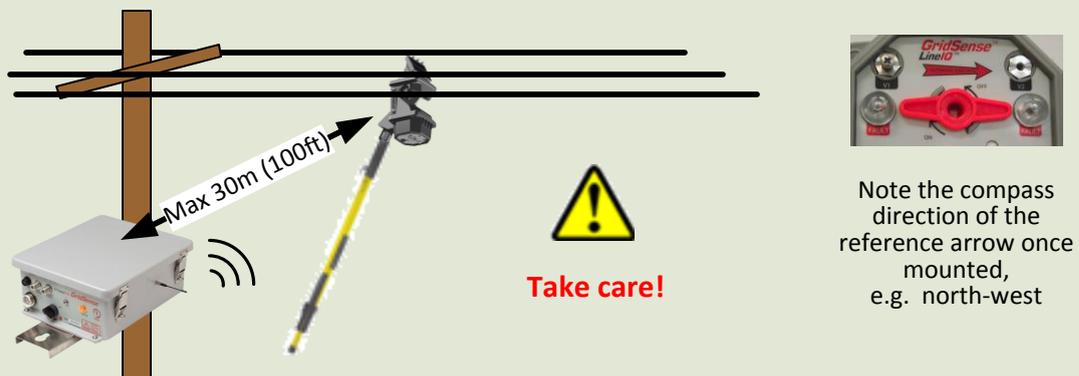
Orient the LT-60 so that the channel that the line-conductor will fit into is lined up with the conductor overhead. Rotate the solar panel housing so that the panel faces towards the equator, i.e. towards the position of the sun at midday.

Next adjust the panel's angle to the horizontal. This angle should be = latitude + 15°. For example Sacramento, California, is at approximately 40° N. So the solar panel's angle from horizontal there should be 40° + 15° = 55°.



6 Mounting the LIQ-60

Ensure that the LIQ-60 is firmly attached to hotstick before mounting it. Check that the solar panel is facing toward the equator and is not shadowed by trees or nearby structures. Solar panel angle with horizontal must be (latitude + 15°).



7 Mounting the LIQ-Gateway

Mount the LIQ-Gateway on a power pole or similar convenient location. Check that the solar panel is facing toward the equator and is not shadowed by trees or nearby structures. Solar panel angle with horizontal must be (latitude + 15°).

