

# PRO Series

Plug-in hybrid lighting towers





# PRO Technology

The **PRO Technology** embodies all the innovations and new technologies that Generac Mobile has developed in over 25 years at the top of the industry as manufacturer. We have brought together all the Rental needs, in one single product.

## We look to the future as a leader of the energy generation

We lead the evolution to more **resilient, efficient** and **sustainable** energy **solutions**, having a broad suite of products that support the path towards the **global energy transition**. Our wide range of products helps operators to reduce fuel consumption and CO<sub>2</sub> emissions.

We are committed to deliver **clean** and **efficient solutions** across a wide range of commercial and domestic applications.

Our Group provides **the widest range of hybrid and environmentally friendly power products**, including: generating sets, light towers and battery energy storage systems.

## Solutions available

### V20 PRO

Mobile light tower installed on a road trailer

### CUBE PRO

Stationary light tower installed on a zinc-coated base

### Hydro Power Box PRO

Vandalism-proof light tower designed for the event market sector

### Solar Kit PRO

Accessory - Solar panel kit

### I-Extender PRO

Accessory - External battery pack



# All-in-1 Power System

Choosing the Power System never was so easy!

The **PRO Technology** allows to include three different power systems in only one model: 100% Electric (battery), Hybrid (battery + back-up generator) and Generator only.

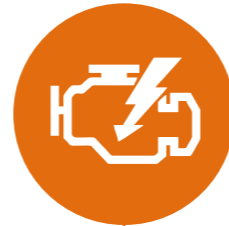
Just select the preferred mode with the Power System switch and it's done!



**BATTERY MODE**



**HYBRID MODE**



**GENERATOR MODE**

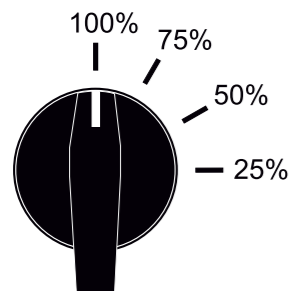
Thanks to the integrated battery pack, the light tower will run without any carbon and noise emissions. Easy battery recharge through the integrated generating set or external power source.

By combining battery pack and generating set into a Hybrid System, this light tower will provide you with hundreds of hours of uninterrupted illumination without refuelling!

The integrated generating set with a Stage V 2-cylinder diesel engine guarantees many hours of light with reduced carbon emissions, low noise and low fuel consumption.

## Adjustable light power output

A dimmer switch allows the operator to adjust the light power output to manage energy consumption, running time, luminous flux, and illuminated area.



Light power output	LED power	Luminous flux	Illuminated area
100%	4 x 240W	139200 Lm	3100 m <sup>2</sup>
75%	4 x 180W	107668 Lm	2700 m <sup>2</sup>
50%	4 x 120W	76184 Lm	2200 m <sup>2</sup>
25%	4 x 60W	41040 Lm	1500 m <sup>2</sup>

# Properties advantages

PRO light towers are specifically designed for the rental business and equipped with high-spec features as standard to fulfill the most demanding requests from the market sector.



### GENERAC LED

PRO light towers are equipped with high-efficiency LED floodlights. The light output of these floodlights can be adjusted by the operators depending on their need.



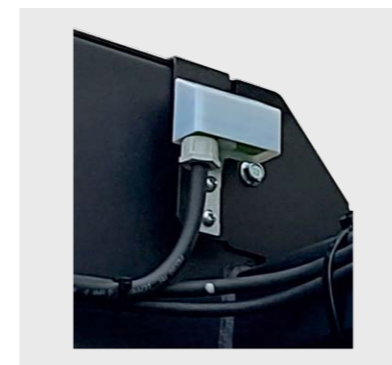
### 16A CEE INLET

The electric inlet socket installed as standard makes the PRO light tower to be powered also by an external power source, such as the grid or our I-Extender PRO battery pack.



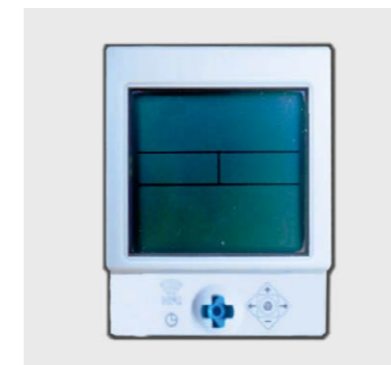
### MULTIPIN INLET

Every PRO light tower is equipped with a Multipin inlet socket to allow a "plug & play" connection to our Solar Kit PRO.



### DARKNESS SENSOR

A darkness sensor is installed on the PRO light towers to make them turn on and off depending on the daylight conditions.



### DIGITAL TIMER

Every PRO light tower has a digital timer which can make the machine working only on a timing schedule set up by the operator.



### DEEP SEA CONTROLLER

A proprietary system that increases reliability and flexibility of the PRO light tower with a user-friendly interface.

# V20 PRO



## A MAST

- Vertical telescopic mast with hydraulic lifting system
- High-efficiency LED floodlights
- Adjustable light power output through a dimmer switch
- Hyper LED floodlights available as option

## B TRAILER

- Quick-release stabilizers for fast deployment
- Standard road trailer with adjustable tow-bar from horizontal to vertical position
- Optional AMOSS Kit for road trailer

## C CANOPY

- Doors on both sides to access battery pack and LED electrical components
- «Seagull wing-shaped» side doors with gas springs for a complete access to the generator
- Easy access to the control panel through the back door
- Inlet sockets installed as standard: Multipin socket for solar panel kit, CEE socket for battery pack or grid
- Emergency stop button

## Technical data

	V20 PRO Lithium	V20 PRO AGM
Minimum dimensions (Lx W x H)	2245 x 1431 x 2424 mm	2245 x 1431 x 2424 mm
Maximum dimensions (Lx W x H)	3390 x 1740 x 8200 mm	3390 x 1740 x 8200 mm
Dry weight	1084 kg	1146 kg
Battery type	Li-ion NMC	AGM
Engine model	Kubota Z482 / Yanmar 2TNV	Kubota Z482 / Yanmar 2TNV
Emission certification	Stage V	Stage V
Cylinders	2	2
Engine cooling	Liquid	Liquid
Engine speed	1500 RPM	1500 RPM
Avg. sound pressure level	0 - 58 dB(A) @ 7m	0 - 58 dB(A) @ 7m
Alternator	5kVA 230V 50Hz	5kVA 230V 50Hz
Multipin inlet plug	√	√
CEE 16A inlet plug	√	√
CEE 16A outlet socket	∅	∅
Mast lifting system	Hydraulic	Hydraulic
Mast rotation	340°	340°
Wind speed resistance	110 km/h	110 km/h
Fuel tank capacity	100 L (90 L net)	100 L (90 L net)
Liquid containment tank (110%)	√	√

## Running time

The total running time of the PRO light tower will vary depending on the chosen power system, the light power adjustment, and the battery type:

	V20 PRO Lithium				V20 PRO AGM			
Light power output	25%	50%	75%	100%	100%	50%	75%	100%
Battery mode	19h 31'	11h 07'	5h 15'	4h 44'	19h 46'	10h 07'	5h 11'	3h 45'
Hybrid mode	517h	317h	201h	165h	471h	303h	202h	180h
Generator mode	165h	151h	134h	125h	165h	151h	134h	125h

## Recharging time

The battery can be recharged via the built-in generator or an external power source.

The charging time depends on the type of battery and varies with the power of the light.

	Recharging time				
Light power output	OFF	25%	50%	75%	100%
V20 PRO Lithium	4h 20'	4h 29'	4h 41'	5h 09'	5h 48'
V20 PRO AGM	5h 00'	6h 11'	5h 18'	5h 09'	4h 29'

# CUBE PRO



## A MAST

- Vertical telescopic mast with hydraulic lifting system
- High-efficiency LED floodlights
- Adjustable light power output through a dimmer switch
- Hyper LED floodlights available as option

## B CANOPY

- The special cubic shape allows to load up to 22 units on a 13 metres truck, and up to 18 units on a 40' container
- Bolted structure to better resist to rust, wear and weather conditions

- Four side doors with locks for quick access to the control panel and the powering system
- Top door with lock
- Steel bar with lifting hook
- Forklift pockets on all sides for easy handling
- Antitheft stabilizers for maximum safety
- Inlet sockets installed as standard:  
Multipin socket for solar panel kit,  
CEE socket for battery pack or grid
- Emergency stop button

## Technical data

	CUBE PRO Lithium	CUBE PRO AGM
Minimum dimensions (Lx W x H)	1230 x 1150 x 2383 mm	1230 x 1150 x 2383 mm
Maximum dimensions (Lx W x H)	1793 x 1737 x 8100 mm	1793 x 1737 x 8100 mm
Dry weight	1115 kg	1175 kg
Battery type	Li-ion NMC	AGM
Engine model	Kubota Z482 / Yanmar 2TNV	Kubota Z482 / Yanmar 2TNV
Emission certification	Stage V	Stage V
Cylinders	2	2
Engine cooling	Liquid	Liquid
Engine speed	1500 RPM	1500 RPM
Avg. sound pressure level	0 - 58 dB(A) @ 7m	0 - 58 dB(A) @ 7m
Alternator	5kVA 230V 50Hz	5kVA 230V 50Hz
Multipin inlet plug	√	√
CEE 16A inlet plug	√	√
CEE 16A outlet socket	∅	∅
Mast lifting system	Hydraulic	Hydraulic
Mast rotation	340°	340°
Wind speed resistance	110 km/h	110 km/h
Fuel tank capacity	160 L (150 L net)	160 L (150 L net)
Liquid containment tank (110%)	√	√

## Running time

The total running time of the PRO light tower will vary depending on the chosen power system, the light power adjustment, and the battery type:

	CUBE PRO Lithium				CUBE PRO AGM			
Light power output	25%	50%	75%	100%	100%	50%	75%	100%
Battery mode	19h 31'	11h 07'	5h 15'	4h 44'	19h 46'	10h 07'	5h 11'	3h 45'
Hybrid mode	804h	494h	313h	256h	785h	504h	337h	300h
Generator mode	275h	252h	224h	208h	275h	252h	224h	208h

## Recharging time

The battery can be recharged via the built-in generator or an external power source.

The charging time depends on the type of battery and varies with the power of the light.

	Recharging time				
Light power output	OFF	25%	50%	75%	100%
CUBE PRO Lithium	4h 20'	4h 29'	4h 41'	5h 09'	5h 48'
CUBE PRO AGM	5h 00'	6h 11'	5h 18'	5h 09'	4h 29'

# Hydro Power Box PRO



## A MAST

- Vertical telescopic mast with hydraulic lifting system
- When lowered, mast and floodlights are completely retracted inside the unit
- Exclusive Hyper LED floodlights
- Adjustable light power output through a dimmer switch

## B CANOPY

- The zinc-coated main structure grants high resistance to wear, rust and vibrations
- Large side doors with locks for quick access to any internal component

- Special bracket with lifting hook. When the unit is on working position, the bracket is folded to save space. While during transport with crane, the bracket automatically stands up to keep the unit straight
- Stabilizers inside the frame to avoid tripping
- An internal stepladder allows the operator an easy and safe way to adjust the floodlights
- Forklift pockets on all sides for easy handling
- Inlet sockets installed as standard:
  - Multipin socket for solar panel kit,
  - CEE socket for battery pack or grid
- Emergency stop button

## Technical data

	HPB PRO Lithium	HPB PRO AGM
Minimum dimensions (Lx W x H)	1175 x 1180 x 2497 mm	1175 x 1180 x 2497 mm
Maximum dimensions (Lx W x H)	1200 x 1200 x 8237 mm	1200 x 1200 x 8237 mm
Dry weight	1305 kg	1368 kg
Battery type	Li-ion NMC	AGM
Engine model	Kubota Z482 / Yanmar 2TNV	Kubota Z482 / Yanmar 2TNV
Emission certification	Stage V	Stage V
Cylinders	2	2
Engine cooling	Liquid	Liquid
Engine speed	1500 RPM	1500 RPM
Avg. sound pressure level	0 - 58 dB(A) @ 7m	0 - 58 dB(A) @ 7m
Alternator	5kVA 230V 50Hz	5kVA 230V 50Hz
Multipin inlet plug	√	√
CEE 16A inlet plug	√	√
CEE 16A outlet socket	∅	∅
Mast lifting system	Hydraulic	Hydraulic
Mast rotation	340°	340°
Wind speed resistance	110 km/h	110 km/h
Fuel tank capacity	182 L (170 L net)	182 L (170 L net)
Liquid containment tank (110%)	√	√

## Running time

The total running time of the PRO light tower will vary depending on the chosen power system, the light power adjustment, and the battery type:

	HPB PRO Lithium				HPB PRO AGM			
Light power output	25%	50%	75%	100%	100%	50%	75%	100%
Battery mode	19h 31'	11h 07'	5h 15'	4h 44'	19h 46'	10h 07'	5h 11'	3h 45'
Hybrid mode	888h	546h	346h	283h	882h	555h	382h	337h
Generator mode	311h	285h	254h	236h	311h	285h	254h	236h

## Recharging time

The battery can be recharged via the built-in generator or an external power source.

The charging time depends on the type of battery and varies with the power of the light.

	Recharging time				
Light power output	OFF	25%	50%	75%	100%
HPB PRO Lithium	4h 20'	4h 29'	4h 41'	5h 09'	5h 48'
HPB PRO AGM	5h 00'	6h 11'	5h 18'	5h 09'	4h 29'

# Hyper LED Option

PRO light towers can be equipped with the exclusive **Hyper LED Technology**.

Every floodlight is installed on a fully adjustable bracket allowing the operator to point any floodlight in any direction, depending on the need at that moment. This way, it's possible to illuminate an area from 180 up to 360 degrees by adjusting both the horizontal and vertical axes of any bracket.



## 180° POSITION

The floodlights can point to the same direction to illuminate a frontal area. By rotating the floodlights, you can illuminate in depth or enlarge the illuminated area.

## 360° POSITION

When the floodlights are pointed in four different directions, it's possible to illuminate a circular area all around the PRO light tower.

## ANTI-GLARE OPTION

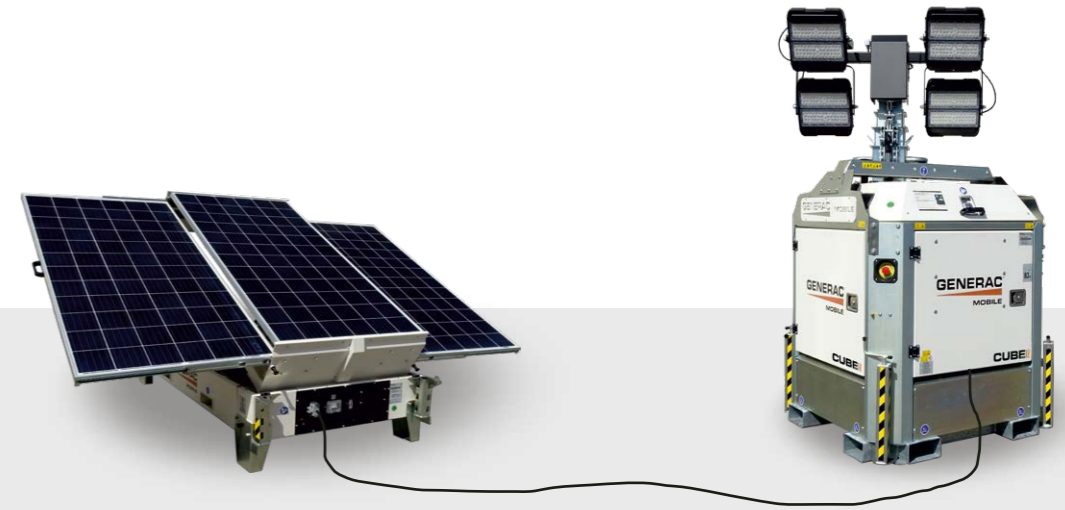
Optional anti-glare panels are placed on the floodlights for applications such as roadworks or others where there is a risk of glaring workers and passersby.

# PRO Accessories

Two special accessories can be used as an external power source for a PRO light tower.

**Solar Kit PRO** is a stackable kit with 3x300 Wp sliding solar panels, able to recharge the built-in battery of a PRO light tower, reducing the use of the built-in generator or other power sources.

Just connect the kit to the multipin inlet socket and the PRO light tower will do the rest: PRO technology is designed to automatically configure into a hybrid-solar machine when the unit is connected to a Solar Kit PRO. Solar Kit PRO can also produce enough energy to recharge the batteries of the I-Extender PRO.



**I-Extender PRO** is a new stand-alone, portable, battery pack available in both AGM and Li-ion versions. This accessory is able to extend the capacity of the built-in battery of a PRO light tower, increasing the total running time of the unit while running in Battery mode or Hybrid mode.

Also in this case, the configuration is automatic, without any intervention by the operator: just plug and play.



# Solar Kit PRO

Solar Kit PRO collects the photons emitted by the Sun and converts them into Direct Current, while the built-in MPPT device optimizes the conversion process. Through a multipin cable, the Direct Current from the Solar Kit arrives to the PRO lighting tower, where the built-in inverter/charger transforms it into Alternating Current and recharges the batteries installed on the PRO unit.



## A SOLAR PANELS

- 3x300Wp solar panels with heavy-duty sliding guides and safety locks
- Anti-theft system
- Gas springs for manual tilting
- Graduated tilting scale

## C ELECTRIC PANEL

- ON/Off main switch
- Power output protections
- Multipin outlet socket

## B BASE

- Electric panel
- Forklift pockets
- Galvanized foldable supports
- Concrete ballast
- Multipin power cable

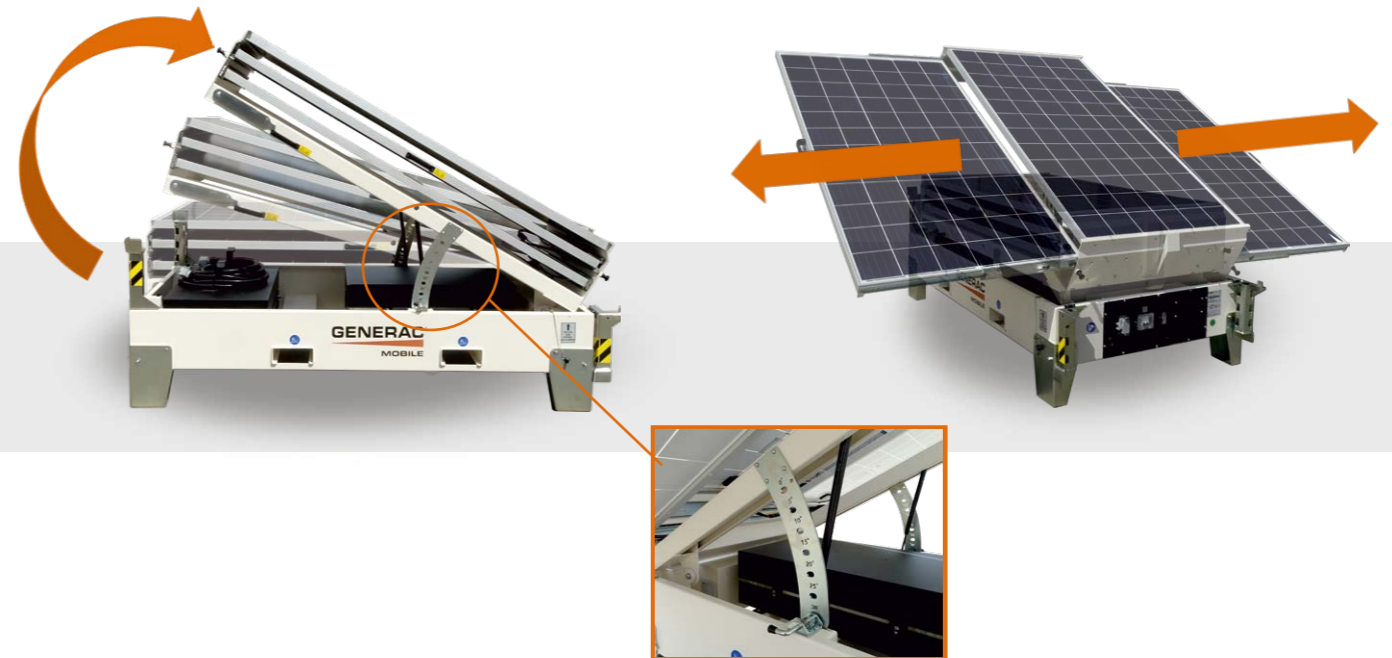
## Technical data

	Solar Kit PRO
Minimum dimensions (Lx W x H)	2224 x 1226 x 896 mm
Maximum dimensions (Lx W x H)	2365 x 3104 x 1783 mm
Weight	867 kg
Solar panels power	3 x 300 Wp
Solar panels inclination angle (min. / max.)	0° / 35°
Solar panels lifting system	Manual with gas springs
Multipin outlet socket	√

## Quick setup

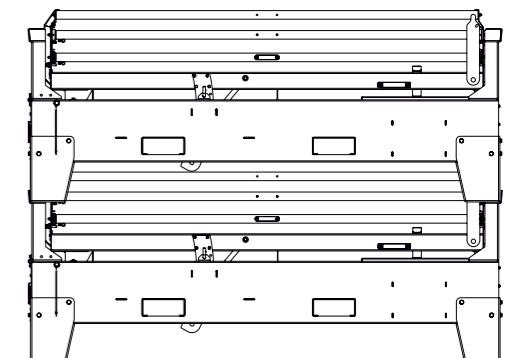
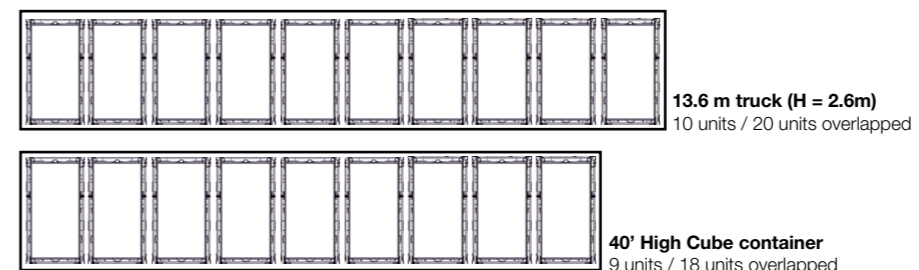
The fast lifting system with gas springs and the sliding guides for the solar panels allow a single operator to set up the unit in just three easy steps.

Lift the solar panels easily thanks to the gas springs. Thanks to the graduated tilting scale, it is possible to adjust precisely the inclination of the solar panels. Then, unlock the solar panels and extract them with the handles.



## Transportability

A product designed to be as much compact as possible, without protruding elements and with the possibility to stack a unit on another to double the quantity of units in a stocking area or during transport.



# I-Extender PRO

I-Extender PRO is a stand-alone, portable, battery pack able to extend the capacity of the built-in battery of a PRO unit, reducing the use of the generator or other power sources.

Thanks to the different outlet sockets installed as standard, the I-Extender PRO can also power any other kind of electric equipment needing a single-phase 230V current.



- Available in both Lithium ions or AGM battery versions
- Galvanized supports
- Central lifting eyelet
- Forklift pockets on two sides
- Emergency stop button

## Electric panel



- Digital controller
- Main system ON/OFF switch
- Multipin inlet socket for Solar Kit PRO
- Remote start for generating set
- MultiPlus II Inverter/Charger
- Battery monitor device
- Battery switch
- Electric sockets
- Circuit breakers with electrical protection

## Technical data

	I-Extender PRO Lithium	I-Extender PRO AGM
Dimensions (Lx W x H)	1096 x 1066 x 1185 mm	1096 x 1066 x 1185 mm
Weight	557 kg	852 kg
Battery type	Li-ion NMC	AGM
Battery capacity	23.5 kWh	25 kWh
Battery recharging time	6 h	10 h
PRO unit extended running time (LED @ 50%)	+34 h	+40 h
Multipin inlet plug	√	√
CEE inlet plug	63A	32A
CEE 16A outlet socket	2	2
CEE 32A outlet socket	1	1
Schuko 16A outlet socket	1	1
Max. power output	8 kW	4 kW

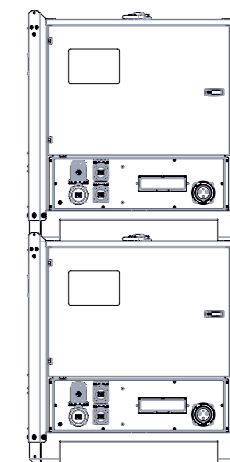
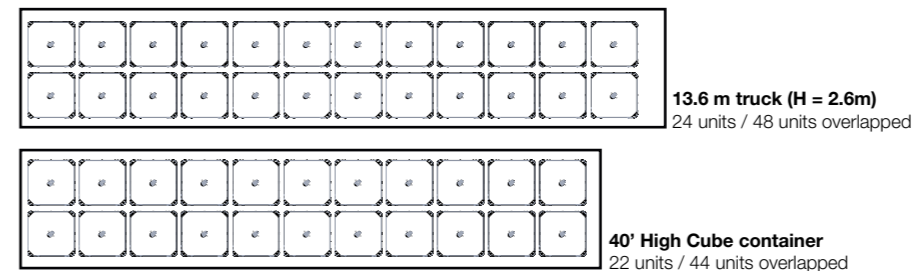
## Easy recharge

The battery of the I-Extender PRO can be recharged by connecting to any external power source, like a generating set, the power grid, or our Solar Kit PRO.



## Transportability

A product designed to be as much compact as possible, without protruding elements and with the possibility to stack a unit on another to double the quantity of units in a stocking area or during transport.





# A **global network** for a wide offer of **parts** and **after sales** support

## Generac Mobile is always by your side, with a dedicated after-sales support

As a global company, the after sales team is made of people from different part of the world; this diversity and shared knowledge is an added value for the company and the customers as well.

Generac Mobile assists customers providing service division offers, interventions on field, installations, repairing and rewinding support. The highly trained engineers and technicians undergo continuous training and quality programs, ensuring complete accordance with technical, quality, and regulatory standards.

Service and Parts indeed offers trainings and learning tools to help dealers and customers improving their product's technical knowledge and operational skills.



### Spare parts kit special offer

On-line spare parts order and interactive spare parts catalogues



### Certified operators

Dedicated training programs for users, maintenance and after sales service



### Service support

Worldwide approved service network



### Manuals and guides

A complete set of technical information, offering quick and efficient solutions



### Scheduled maintenance kits

Personalised solutions with 24/7 on call service



### Fast parts delivery

A dedicated department with an automated storage system to fulfill 90% of orders within 72 hours



Find video tutorials with step-by-step instructions on how to use our most innovative features, visiting: [www.towerlight.com/qr](http://www.towerlight.com/qr)

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**SOLUTIONS TO A BRIGHTER AND CLEANER WORLD**

