



**UGO  
WORK<sup>®</sup>**

Energy to keep you moving

# Lithium-ion energy solutions for industrial trucks



[ugowork.com](http://ugowork.com)

# Maximize energy and labor savings starting now

UgoWork	2
Charging infrastructure	4
Data & expertise	9
Energy as a Service (EaaS)	10

## UgoWork What we do

Lithium-ion batteries and fleet management software for material handling applications

From battery design to electric fleet optimization, UgoWork™ is your energy partner, guiding you through every phase of your power journey. Our energy solutions are deployed nationwide, with **round-the-clock monitoring and proactive support**. Our dedicated team optimizes your energy use, **so you can focus on what matters—your operations.**



Design



Manufacture



Deploy



Support



Optimize

*In partnership with service partners*

## Key facts about **lithium-ion**

Experience lightning-fast charging, unparalleled efficiency, and no maintenance hassles. Add in certified safety and impressive recyclability levels leaning towards a circular economy, and it's clear: **Lithium-ion isn't just the future—it's the now.**



5X  
faster charging\*



71%  
more efficient\*



No  
maintenance



5X  
longer lifetime\*



95%  
recyclability



Certified  
safety



Still using **ICE trucks** or **lead-acid batteries**? Let's talk!

\*Compared to traditional lead-acid technology



## Is UgoWork right for you?

Industry leaders have made the transition to UgoWork and experienced immediate and long-term benefits that will continue to bring in savings! Here are some of reasons why they chose UgoWork:

- Energy infrastructure used valuable floor space (battery room)
- Transition from internal combustion engine (ICE) to electric
- Operation in extreme temperatures (cold storage or heat)
- Trucks running overs 2,000 hours a year
- High recurring maintenance costs
- Facing limited energy supply and highly impacted by electricity demand peaks

## A better battery is just the start

UgoWork is not just another manufacturer of lithium-ion batteries for industrial trucks, it is a practical energy solution partner whose goal is to overcome today's material handling challenges. UgoWork's products and services offer a new take on power, aligning seamlessly with operational needs and exceeding expectations.



**Charging infrastructure**

Benefit from the simplest, safest and most cost-effective charging experience there is.



**Data & expertise**

Materialize your return on investment with data and expert counseling.



**Energy as a Service (EaaS)**

Focus on what matters, knowing that your power solution is managed from design, commissioning, service and end-of-life.



# Charging infrastructure

## Advanced features for seamless integration into your operations



### Charging station

Compact, multi-voltage and AC power charging technology



### Automotive-grade charging connector

Compatible with all UgoWork batteries



### Universal battery core enclosure

BMS, thermal management system, sensors, lithium pack, embedded chargers



### Modular counterweight architecture

Easy matching to any forklift compartment size and weight requirement





# Battery models

Tap into round-the-clock performance



**48 V** F424 for Class I & II

Sit-down counterbalanced forklifts and high-capacity heavy equipment



**36 V** F324 for Class I & II

Counterbalanced forklifts and reach trucks



**24 V** W207 for Class II & III

Walkie pallet jacks and order pickers

# Battery lifecycle management from cradle to grave

Responsible practices resulting in the lowest environmental impact

We handle everything from start to finish, ensuring your batteries last longer and you have peace of mind operating them. That's one less thing to worry about!



NMC lithium-ion cells  
→ high recycling value



Enclosure can sustain the life of multiple lithium packs







Battery pack replacement at end of service life / 2nd life application



Recycling and responsible disposal of battery components

# Specifications

 Lithium-ion batteries	 <b>48 V</b> F424	 <b>36 V</b> F324	 <b>24 V</b> W207	
Maximum voltage at full charge	54.7 Vdc	39.1 Vdc	27.4 Vdc	Other configuration available, contact UgoWork
Nominal voltage	51.8 Vdc	37.0 Vdc	25.9 Vdc	
Discharge end voltage	42.7 Vdc	30.5 Vdc	21.4 Vdc	Lower bound value, configurable upwards by software if required
Nominal capacity	688 Ah 35.6 kWh	992 Ah 36.7 kWh	422 Ah 10.9 kWh	Available capacity information displayed on nameplate
Chemistry	NMC			Nickel Manganese Cobalt
Charging voltage	277Y/480 Vac			Embedded charger, nominal
Charging power	22 A 13.5 kW		8 A 5 kW	Embedded charger, rated at 480 Vac
Charging time (standard)	1 hr			0–85%
Continuous discharging current (max.)	325 Adc		175 Adc	SB output connector limited
DC output connector	SB350, gray		SB175, gray	
Dimensions (without counterweight)	38.5 x 20.2 x 22.0 in 978 x 514 x 559 mm		28 x 12.9 x 26.3 in 712 x 327 x 667 mm	Adaptable counterweight configuration in order to fit truck compartment
Weight	731–1,499 kg 1,612–3,305 lbs		220–488 kg 485–1,076 lbs	Varies based on counterweight configuration
Continuous operating temperature	-20–30 °C -4–86 °F		0–30 °C 32–86 °F	Continuous operation at full specifications
Sporadic operating temperature	-30–45 °C -22–113 °F		0–45 °C 32–113 °F	For limited time or at reduced specifications
Transport / Storage temperature	-20–50 °C -4–122 °F			Long-term storage: -20 °C–25 °C (-4 °F–77 °F)
Auxiliary output current (max.)	10 Adc			Battery voltage output for accessories
Communication with truck	CAN & IWS (Interrupt Warning Signal)			Compatible with OEM standards
Wi-Fi connection	Wi-Fi or data hotspot			
Certifications	UL2580, UL1642, UN 38.3, FCC / IC			

Upgrade your fleet today  
and experience the UgoWork  
advantage!



## Multi-voltage charging station



Product compatibility	All UgoWork battery models	
Input rated nominal voltage	480Y/277 Vac	3 phase, ± 10%
Input current (max.)	22 A	FLA at rated voltage
Output charging current (max.)	22 A	FLA at rated voltage
Power connection type	4W+G	Neutral connection is mandatory
Rated frequency	60 Hz	47 - 63 Hz range
Input wire size	8–10 AWG	
Charging cable length	11.5 ft / 16.5 ft 3.5 m / 5 m	Between CS and connector
Weight (standalone)	20 lbs 9 kg	
Dimensions (standalone)	14 x 10 x 6 in 356 x 254 x 152 mm	
Operating temperature	-20–60 °C -4–140 °F	
Transport / storage temperature	-20–60 °C -4–140 °F	
Certification	UL 508A	

## A power solution for your entire fleet

UgoWork's modular counterweight system fits any lift truck battery compartment size and weight.



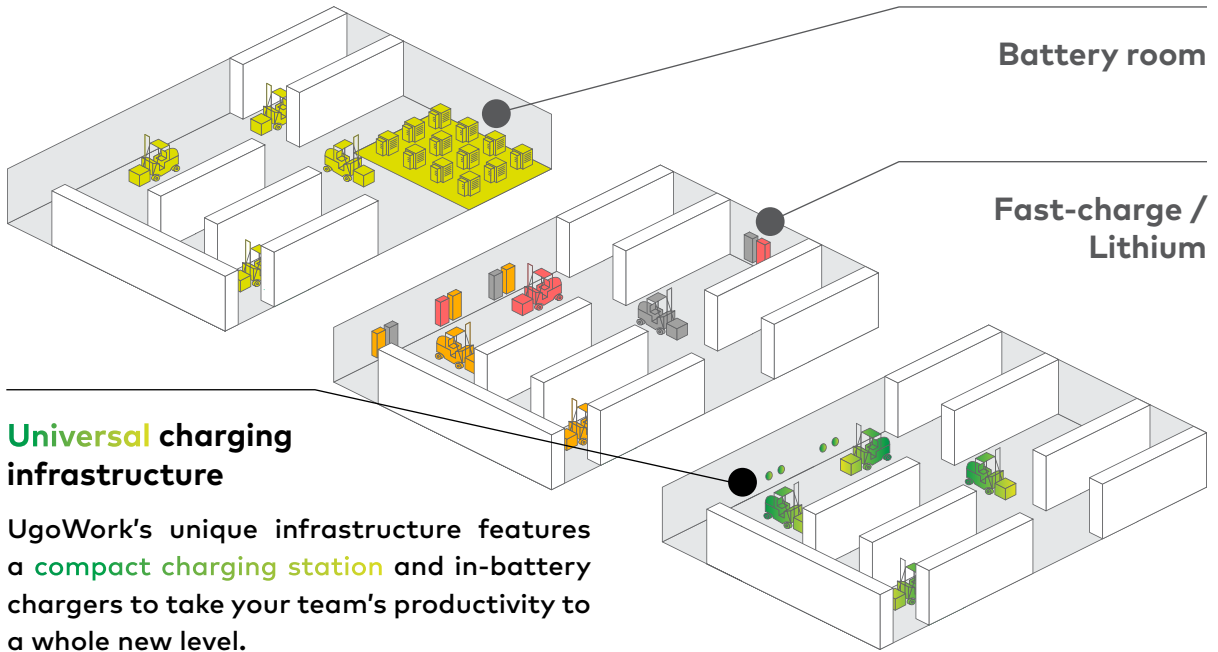
Check with an **energy expert**  
for battery selection or if your  
requirements fall outside the  
specified range.



# How we do it

## ROI-driven lithium-ion solutions: Where efficiency meets investment value

- Eliminate battery rooms and gain valuable floor space
- Operate seamlessly in extreme temperatures (e.g., cold storage)
- Reduce maintenance costs significantly
- Transition from internal combustion engine (ICE) to electric
- Boost truck uptime and optimize operations



### Universal charging infrastructure

UgoWork's unique infrastructure features a compact charging station and in-battery chargers to take your team's productivity to a whole new level.

## Universal battery core enclosure

### Built-in thermal management

Excels in frozen/ambient environments

### Embedded battery chargers

Speed up charging and minimize infrastructure

### Intelligent Battery Management System (BMS)

Seamlessly connects to the cloud unlocking real-time monitoring and remote management

### Lithium-ion battery pack

High performance, recyclability and safety

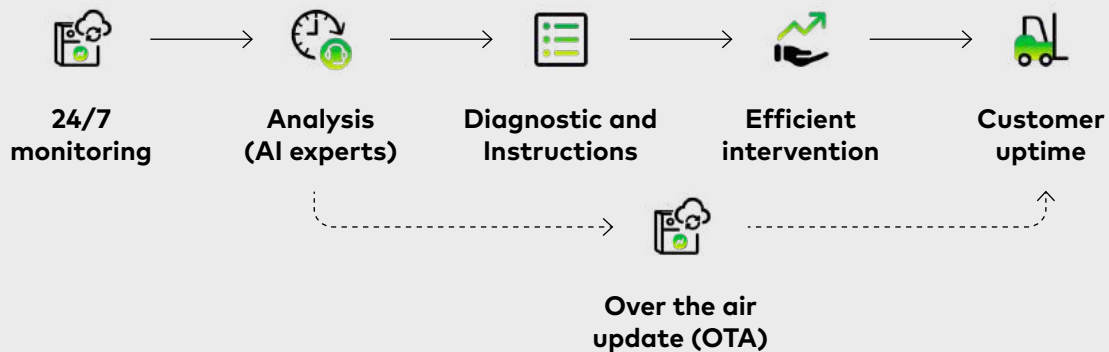




# Data & expertise

## Keeping your MHE up and running 24/7 with data

UgoWork's service teams rely on batteries connected to the cloud. Data is analyzed in real-time so that experts are notified and can provide accurate diagnostics and instructions to field technicians or remotely interact with the battery. This approach ensures that **interventions are short and resolved on the first try**, which inevitably reduces downtime for customers.



## Step into the future of fleet management with UgoPilot™




**Understanding data is key.** That's why we pair you with a **Customer Success Manager** who turns data into useful insights, right in the platform. They adapt to your needs and keep improving. Here's what you could be aiming for:

- Fleet reduction targets
- Carbon reduction goals
- Energy savings
- Electricity demand peak shaving
- Uptime level targets
- And much more!

# Energy as a Service (EaaS)

## Achieve energy and operational resilience through **Energy as a Service**

Think of it this way: **Get the energy you need** for daily operations hassle-free, with service, expert support, and tools included.

	Purchase	Subscription
 Hardware	Upfront payment Residual value assessment based on data	Monthly package / vehicle and fleet  Adjustment if real consumption $\neq$ package
 Software and CSM	Subscription	
 Refuel / Disposal	Add on	Included

Energy as a Service



**UgoPilot**  
 Truck #5492 has been inactive for more than 2 hours. now



# In short

Our cutting-edge **lithium-ion technology** offers simpler charging, unequalled energy efficiency, and virtually zero maintenance. With **UgoPilot's data analysis** and support from our dedicated Customer Success Managers, we ensure fleet uptime and optimization. Plus, our **Energy as a Service (EaaS)** approach means worry-free operation where everything is taken care of. Because with UgoWork, you can rest easy knowing your batteries will work seamlessly, as they should.

Charging infrastructure

Energy as a Service (EaaS)



Data & expertise

## Industries

We help you keep teams and goods moving

- 3PL & Warehousing
- Automotive
- Food & Beverage
- Cold Storage
- Manufacturing
- Printing
- Pulp & Paper
- Wholesale & Distribution



1065 Lescarbot, Suite 200  
Quebec, QC, Canada  
G1N 1X6

[info@ugowork.com](mailto:info@ugowork.com)  
[ugowork.com](http://ugowork.com)