

Universal fast-charge lithium-ion battery system



24V lift truck battery

For Class II & III

Specifications¹

	W207	
Maximum voltage at full charge	27.4 Vdc	Other config. available. Contact us
Nominal voltage	25.9 Vdc	
Discharge end voltage	21.4 Vdc	Other config. available. Contact us
Nominal capacity	422 Ah / 10.9 kWh	
Chemistry	NMC	Nickel Manganese Cobalt
Charging - Input	480Y/277 Vac 8 A	Embedded charger, nominal Output voltage at 24 Vdc
Charging power	5 kW (200 Adc)	
Charging time (standard)	1 hr / shift	Based on a standard application, 8 hr shift
Continuous discharging current (max.)	175 Adc	SB output connector limited
DC output connector	SB175, gray	
Continuous operating temperature	0–30 °C / 32–86 °F	Continuous operation at full specifications
Sporadic operating temperature	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	Continuous battery voltage for accessories
Communication with truck	CAN & IWS (Interrupt Warning Signal)	Compatible with OEM standards
Connectivity	Wi-Fi (2.4 GHz)	LTE available upon request
Certifications	UL 2580, UL 583 Type E/EE compliant, UN 38.3, FCC / IC	
Dimensions (without counterweight)	28 x 12.9 x 26.3 in 712 x 327 x 667 mm	Adaptable counterweight configuration in order to fit any truck compartment. Ask us
Weight	220–488 kg 485–1,076 lbs	Varies based on counterweight configuration



Charging starts in the battery

- Onboard chargers for easy plug-and-charge
- Integrated safety to reduce wear and heat buildup
- Universal, multi-volt charging made possible by built-in design
- No bulky chargers on your floor

Fleet-wide fit

Our modular counterweight system adapts to your truck's specs, size, and weight class—no retrofitting, no workarounds.



¹ Technical specifications are based on standard operating conditions and may be subject to changes.



Multi-volt
charging station

Specifications¹

Product compatibility	All UgoWork battery models	
Product Input rated nominal voltage	480Y/277 Vac	3 phase, ± 10%
Input current (max.)	22 A	22 A FLA at rated voltage
Output charging current (max.)		Compatible with circuit breaker 30 A
Power connection type	4W+G	
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 wall box and connector
Weight (standalone)	9 kg 20 lbs	
Dimensions (standalone)	14 x 10 x 6 in 356 x 254 x 152 mm	Explore available configurations.
Operating temperature	-20–60 °C -4–140 °F	
Transport / storage temperature	-20–60 °C -4–140 °F	
Protection rating	NEMA 4	IP65 equivalent
Certification	UL 508A	



Charging station

Smart, compact, built to work.

- One integrated system—battery + charger, same manufacturer
- No live power until the connector locks in place; then, 480V current flows
- Shoebox-sized charger fits anywhere
- Supports every UgoWork battery—out of the box

Power every
truck
in your
fleet



What's your real
TCO?

CAPEX, OPEX, and usage costs included.

[Let's run the numbers](#)

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UgoWork
1065 Lescarbat, Suite 200
Quebec, QC, Canada
G1N 1X6

info@ugowork.com
ugowork.com

