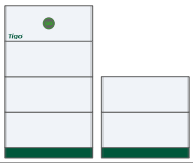
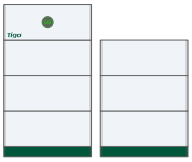
GO Battery (US)

An Optimized and scalable energy storage system

- Scalable Energy Storage — Expandable from 5 kWh to 30 kWh in a compact, modular footprint for flexible system sizing.
- Battery Module Optimization — Built-in BMS ensures cell balancing, continuous monitoring, and robust protection across all modules.
- Safe & Proven Chemistry — Lithium Iron Phosphate (LFP) delivers long cycle life, thermal stability, and enhanced safety.
- Efficient Architecture — Seamless integration with the Tigo EI Inverter + ATS enables reliable backup power and optimized energy flow.
- Outdoor-Rated Durability — IP66-level protection supports indoor or outdoor installation, including floor or wall mounting.

GO Battery

Battery System	TGB-5.0-US	TGB-10-US	TGB-15-US	TGB-20-US	TGB-25-US	TGB-30-US
						
No. Of battery modules	1 modules	2 modules	3 modules	4 modules	5 modules	6 modules
Nominal energy	5 kWh	10 kWh	15 kWh	20 kWh	25 kWh	30 kWh
Nominal power [1]	2.5 kW	5 kW	7.5 kW	10 kW	12 kW	12 kW
Peak output power [2] (300 ms)	3.5 kW	7 kW	10.5 kW	14 kW	17.5 kW	18.0 kW
Dimensions (W x D x H) [3]	27.2×7.3×27.8 in	27.2x7.3x39.4 in	27.2x7.3x51 in	27.2x7.3x62.6 in	27.2x7.3x51 in + 27.2x7.3x27.8 in	27.2x7.3x51 in + 27.2x7.3x39.4 in
Weight (lbs)	159 lbs	269 lbs	380 lbs	490 lbs	613 lbs	723 lbs
Nominal voltage	400 V					
Operating voltage	380 V - 550 V					
Compatible inverter	Tigo EI Inverter					
Battery type	Lithium Iron Phosphate (LFP)					
Ingress Protection	IP66					
Installation	Wall-mounted or Floor installation				Wall-mounted or Floor installation [4]	
Expansion Kit	No				Yes	
Operating temperature	–10° to 50°C (14°F to 122°F)					
Storage temperature	10°C to 30°C (50°F to 86°F) (12 months) 30°C to 50°C (86°F to 122°F) (6 months)					
Cooling	Natural					
Noise	40 dB					
Altitude	≤ 4000 m					
DoD	90%					
Battery DC-DC RTE	89%					
System AC-AC RTE	84%					
Warranty	10 years					
Certifications	FCC, IC, UN 38.3, UL/CAN 1973, UL/CAN 9540, UL/CAN 9540A Fire Test, CA-CEC, CA-SGIP					

©20260306 Tigo Energy, Inc. 002-00234-00 1.2

GO Battery

BMS module	**TGM-30**
Maximum current	32 A
Input voltage range	380 V – 550 V
Power cable to inverter	8 AWG
Communication port	RS485
Dimension (W x D x H)	27.2 x 7.3 x 11.6 in
Weight	35 lbs
Battery Module	**TGB-5**
Nominal energy	5 kWh
Operating voltage range	330 V – 450 V
Dimensions (W x D x H)	27.2 x 7.3 x 11.6 in
Weight	110 lbs

[1] Max Charge/discharge is limited by inverter power and derates with temperature and SOC.
[2] Depends on Inverter peak power.
[3] Include BMS, Battery Module and Battery Base. For 5 and 6 module configurations, a 4-inch gap is required between the two bases.
[4] Expansion kit required. For wall-mounted applications using an Expansion Kit, two Wall Mount Kits are needed. Refer to the Ordering Information section.

Ordering Information

#	Part Number	Model Number	Kits	Note
A	705-2030H0-0001	TGM-30	GO Battery US BMS Kit	BMS, base, mounting brackets, and cables
B	702-2005H0-0001	TGB-5	GO Battery US Module Kit, 5kWh	Battery module, cables, and mounting bracket
C	707-200000-0201*		GO Battery US Expansion Kit	Base and cables
D	707-200000-0301**		GO Battery US Wall Mount Kit	Wall mount brackets, nuts, and screws

* Required when more than four battery modules are connected to a single BMS.
** Applicable for wall mount installations only.

More Resources

Home Help Center Downloads