Home Energy Resilience.
Under One Roof.



Q.HOME CORE G3

Q.HOME CORE A7.6B13.1
Q.HOME CORE A7.6B13.1 US.1

Q.HOME CORE G3

Residential
Energy Storage Solution

Optimized for TPO and Includes Domestic Content

- Optimally suited for third-party ownership applications
- Q.HOME CORE A7.6B13.1 US.1 contains U.S. manufactured components and non-prohibited foreign entity (non-PFE) content which can contribute to qualifying for the 10 % domestic content bonus for applicable investment and production tax credits.*

* This statement should not be relied on as tax advice and is subject to change based on changes made to the applicable rules and regulations. Please consult a qualified tax professional for specific guidance.

Durable, Resilient & Intuitive

- 7.6 kW of power to serve backed-up loads
- Durable LFP battery by LG Energy Solution, a global leader in battery cell technology
- Easy-to-read LED status indicator
- Quiet system operation (≤ 20 dB(A) @1 m)
- Storm Protect feature quickly alerts customer ahead of potential backup needs during weather events

Flexible System Design

- Up to 15.2 kW / 26.24 kWh extended energy capacity
- Connected via LAN, Cellular or Wi-Fi
- Wall and floor mounting supported
- Allows Grid Support Configuration for energy arbitrage as well as Backup Configurations for energy resilience

PCS Certified AC Coupled ESS

- Fully compatible with Qcells' Q.HOME SMART AC system
- Integrated with Q.TRON AC, Q.PEAK DUO AC, Q.HOME COMBINER and Q.HOME HUB G3
- Monitoring & control functionality in a single app (Q.OMMAND)

Simplified Installation

- Streamlined system commissioning via Q.OMMAND PRO, with post-installation remote diagnostic support
- No special handling tools needed for lifting and mounting

Backed by One Trusted Partner

- One brand, one warrantor and best-in-class customer support
- Inclusive 15-year product or 68 MWh battery energy throughput warranty

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Description

Q.HOME CORE G3 provides 7.6 kW of power and 13.12 kWh of stored energy, with the ability to expand up to one additional Q.HOME CORE G3 cabinet, providing 15.2 kW of power and 26.24 kWh when installed with Q.HOME HUB G3. Q.HOME CORE G3 is a stationary energy storage system, and shall be installed in accordance with industry best practices for permanently installed equipment. When installed in the Grid Support configuration (without the Q.HOME HUB G3) the system does not support off-grid operation or parallel operation of 2 units, but can be programmed to coordinate operation with the Q.TRON AC / Q.PEAK DUO AC Modules. For customer support, please call 1 (888) 249-7750 or email na.support@qcells.com.

Technical Specifications

GENERAL PRODUCT INFORMATION		
System Model Name		Q.HOME CORE A7.6B13.1 Q.HOME CORE A7.6B13.1 US.1
Coupling		AC Coupled
Dimensions	[in]	22.4 × 60.0 × 10.4 (570 × 1,525 × 265 mm)
Weight Q.HOME CORE A7.6B13.1 / Q.HOME CORE A7.6B13.1 US.1 Complete	[lbs]	398 (180.5 kg)
Weight Without Batteries	[lbs]	133.3 (60.5 kg)
Batteries (4 Battery Packs)	[lbs]	264.7 (120 kg) / 4 × 66.17 (4 × 30 kg)
Wall Bracket Weight	[lbs]	11 (5 kg)
Operating Temperature Range	[°F]	14 to 113 (−10 to 45 °C) / Non-condensing
Storage Temperature Range	[°F]	−4 to 113 (−20 to 45 °C) / Non-condensing
Relative Humidity	[%]	5 to 95
Enclosure Protection Rating		IP65 (Type 4)
Seismic Rating		IEEE 693-2018
Mounting		Wall & Floor Mount
Altitude	[ft]	≤ 6,562 (2,000 m)
Cooling Method		Natural Convection
Product Warranty		15 years
Energy Throughput Warranty		68 MWh
Noise Emissions		≤ 20 dB (A) @ 1 m (Optimal)
Overvoltage Category		IV
Pollution Degree		PD2
Communications		LAN, CAN, Wi-Fi, Cellular (Optional)
Remote Monitoring		Q.OMMAND Web & APP
Firmware Update		Online (Over-the-Air)
Operation Modes		Self-consumption, Time of Use, Limit Export
Storm Protect		Yes*
Generator Integration		Yes*

* Storm Protect and Generator Integration are available with Q.HOME HUB G3.

SYSTEM				
System Battery Size	[kWh]		13.12	26.24
Component			1 × Q.HOME CORE G3	2 × Q.HOME CORE G3
Connectible Maximum PV Inverter Size		Q.TRON AC (430 W-DC / 349 W-AC)	Up to 44 pcs (18.92 kW-DC, 15.36 kW-AC)	Up to 44 pcs (18.92 kW-DC, 15.36 kW-AC)
		Q.PEAK DUO AC (410 W-DC / 349 W-AC)	Up to 44 pcs (18.92 kW-DC, 15.36 kW-AC	Up to 44 pcs (18.92 kW-DC, 15.36 kW-AC)
		3rd Party PV Inverter	Up to 15.36 kW-AC	Up to 15.36 kW-AC

GRID DATA (AC)			
Max. Apparent Power / Rated Output Power	[kVA / kW]	7.6 / 7.6	15.2 / 15.2
Nominal Voltage / Range	[V]	240 / 211 to 264 (L1 to L2)	240 / 211 to 264 (L1 to L2)
Nominal Grid Frequency	[Hz]	60	60
Grid Type		1P2W*	1P2W*
Maximum Continuous Current	[A]	31.7 @240 Vac	63.4 @240 Vac
Power Factor Range		−0.8 to 0.8	−0.8 to 0.8
CEC Efficiency	[%]	97	97
Round Trip Efficiency (System)	[%]	89.7	89.7

* Split phase is created with Q.HOME HUB G3.

BACKUP POWER OUTPUT (AC)			
Rated Maximum Apparent / Rated Output Power	[kVA / kW]	7.6 / 7.6	15.2 / 15.2
Load Start Capability	[LRA_RMS]	44.3	88.7
	[LRA_Peak]	62.7	125.4
Peak Power Backup – Off-Grid (10 sec)	[kVA / kW]	10.64 / 10.64	21.28 / 21.28
Grid-Loss Switchover Time	[ms]	~ 250	~ 250
Rated Voltage	[V]	240	240
Rated Frequency	[Hz]	60	60

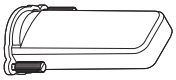
BATTERY UNIT (DC)			
Battery Type		LFP (Lithium Iron Phosphate)	LFP (Lithium Iron Phosphate)
Battery Pack Manufacturer		LG Energy Solution	LG Energy Solution
Battery Total Energy	[kWh]	13.12	26.24
Battery Usable Energy	[kWh]	12.46 (DoD 95 %)	24.92 (DoD 95 %)
Max. Continuous Discharge Rate	[kW]	7.83	15.66
Rated Battery Voltage / Battery Voltage Range	[V]	231.8 / 180 to 262.8	231.8 / 180 to 262.9
Storage Temperature Range	[°F]	−4 to 113 (−20 to 45 °C)	−4 to 113 (−20 to 45 °C)
Operating Temperature Range (Environment)	[°F]	14 to 113 (−10 to 45 °C)	15 to 113 (−10 to 45 °C)

COMPLIANCE	
Safety	UL1741, UL3141(UL1741 PCS-CRD), NEC2020, CSA-C22.2N.107.1-01, IEC60730-1 Annex.H
Grid Compliance	IEEE1547, IEEE1547.1, UL1741SA / SB, HECO Rule14, CA Rule21
Communication (Interoperability)	IEEE2030.5
EMC / EMI	FCC Part 15 Class B
Battery	UL9540, UL9540A, UL1973, UN 38.3
Seismic Rating	IEEE 693-2018

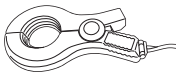
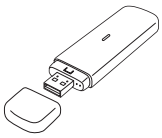
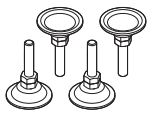
Qualifications and Certificates

Accessories

Included

 FCC ID: OZ5C307-HW-WF	WIFI-HQ-DG-USB	Wi-Fi dongle with 2.4 GHz Bandwidth
 Wi-Fi / Cellular waterproof cover	WPC-HQ-2024	IP65 cover for Wi-Fi & Cellular dongle

Not included (purchased separately)

 UL2808 (XOBA) E498920	CT-JS-CLAMP-200 A-5.2 m	Slim clamp-type consumption CT with ±0.5 % accuracy (5.2 m, 20 AWG)
 UL2808 (XOBA) E498920	CT-JS-CLAMP-200A-25 m	Slim clamp-type consumption CT with ±0.5 % accuracy (25 m, 20 AWG)
	CELLULAR-ZTE-DGASSY-CAT4	Cellular dongle with 5 year data plan (connects via AT&T or T-Mobile networks)
	CELLULAR-TN-DP-5Y	5 year data plan extension (for customers previously using cellular option)
	Leveling Feet	A pack of 4 leveling feet Leveling feet are not provided with the Q.HOME CORE A7.6B13.1 US.1 part number. If installation requires floor-mounting, this part will be needed.

Q.OMMAND PRO App

iOS Android

Specifications subject to technical changes © Qcells Q.HOME_CORE_A7.6B13.1(US.1)_2026-08_Rev16_NA

Note: Installation instructions must be followed. Contact our technical service for further information on approved installation of this product.

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