



Q.HOME CORE G3

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

Q.HOME CORE G3

Residential
Energy Storage Solution



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)



Durable, resilient & intuitive

- 7.6 kW backup power to serve loads
- Durable LFP battery by LG Energy Solution
- Easy-to-read LED status indicator
- Quiet system operation (≤ 20 dB(A) @1m)
- 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
- Suitable for a variety of installation environments
- Generator integration supported



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
- Automatic over-the-air (OTA) firmware updates



Easy and fast installation

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



Competitive financing

- The solar industry's first financing option backed by a manufacturer
- Synergistic product rebates available when pairing Q.HOME CORE G3 with EnFin financing

■ Description

Q.HOME CORE G3 provides 7.6kW of power and 13.12kWh of stored energy, with the ability to expand up to one additional Q.HOME CORE G3 cabinet, providing 15.2kW of power and 26.24kWh 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 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 US.1 Complete		398 (180.5 kg)
Weight Without Batteries		133.3 (60.5 kg)
Batteries (4 Battery Packs)		264.7 (120 kg) / 4 × 66.17 (4 × 30 kg)
Wall Bracket Weight		11 (5 kg)
Operating Temperature Range		14 to 113 (−10 to 45 °C) / Non-condensing
Storage Temperature Range		−4 to 113 (−20 to 45 °C) / Non-condensing
Relative Humidity		5 to 95
Enclosure Protection Rating		IP65 (Type 4)
Seismic Rating		IEEE 693-2005
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) @ 1m (Optimal)
Overvoltage Category		IV
Pollution Degree		PD2
Communications		LAN, CAN, Wi-Fi, Cellular (Optional)
Remote Monitoring		Q.COMMAND 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/349W-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/349W-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)
	3 rd 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	31.7 @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%)
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)


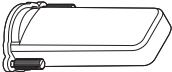
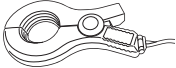
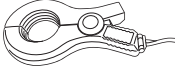
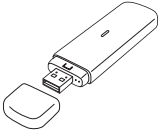

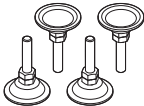
COMPLIANCE

Safety	UL1741, UL3141(UL1741 PCS-CRD), NEC2020, CSA-C22.2N1071-01, 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 693-2005

■ Qualifications and Certificates



■ Accessories

Included		
	WIFI-HQ-DG-USB	Wi-Fi dongle with 2.4 GHz Bandwidth
FCC ID: OZ5C307-HW-WF		
	WPC-HQ-2024	IP65 cover for Wi-Fi & Cellular dongle
Wi-Fi/Cellular waterproof cover		
Not included (purchased separately)		
	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-200 A-25 m	Slim clamp-type consumption CT with ±0.5 % accuracy (25 m, 20 AWG)
UL2808 (XOBA) E498920		
	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

■ Q.OMMAND PRO App

