



Q.HOME CORE G3

Q.HOME CORE A7.6B13.1

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.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
- Compatible with Samsung SmartThings



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



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. 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	
Coupling	AC Coupled	
Dimensions	[in]	22.4 × 60.0 × 10.4 (570 × 1,525 × 265 mm)
Weight Q.HOME CORE A7.6B13.1 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]	–13 to 122 (–25 to 50 °C) / Non-condensing
Relative Humidity	[%]	5 to 95
Enclosure Protection Rating	IP65 / NEMA4	
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.OMMAND Web & APP	
Firmware Update	Online (Over-the-Air)	
Operation Modes	Self-consumption, Time of Use, Limit Export	
Compatible with Samsung Smart Things	Yes	
Storm Protect	Yes*	

* Storm Protect is 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) 3rd Party PV Inverter	Up to 44 pcs (18.92 kW-DC, 15.36 kW-AC) Up to 15.36 kW-AC	Up to 44 pcs (18.92 kW-DC, 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]	62.7	125.4
Max. 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 262.8
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)	14 to 113 (–10 to 45 °C)

COMPLIANCE	
Safety	UL1741, UL3141 (UL1741 PCS-CRD), NEC2020, CSA-C22.2N.1071-01, 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



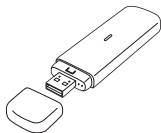
WIFI-HQ-DG-USB-WCV

Wi-Fi dongle with 2.4 GHz Bandwidth with IP65 cover

FCC ID: OZ5C307-HW-WF



Not included (purchased separately)



CELLULAR-ZTE-DGASSY-CAT4
-TN5

Cellular dongle with 5 years data plan (connects via AT&T or T-Mobile networks)



CELLULAR-TN-DP-5Y

5 years data plan extension (for customers previously using cellular option)