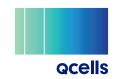
# Home Energy Resilience. Under One Roof.





### 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
- 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

*<u>acells</u>* 

### **■** 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 Modules. For customer support, please call 1 (888) 249-7750 or email na.support@qcells.com.

### ■ Technical Specifications

Communication (Interoperability)

EMC/EMI

Seismic Rating

Battery

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]	, ,,		
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/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*		
Generator Integration		Yes*		

<sup>\*</sup> Storm Protect and Generator Integration are available with Q.HOME HUB G3.

IEEE2030.5

FCC Part 15 Class B

UL9540, UL9540A, UL1973, UN 38.3

IEEE 693-2005

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 k	W-AC) Up to 44 pcs (18.92 kw-DC, 15.36 kW-AC
Connectible Maximum PV inverter Size	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	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
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	LFI	P (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, U	JL3141(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

### ■ Qualifications and Certificates





Wi-Fi/Cellular waterproof cover



### Accessories

Included		
BO BO BANABANANANANANANANANANANANANANANANANAN	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

# 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-200A-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)

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■ Q.OMMAND PRO App



