

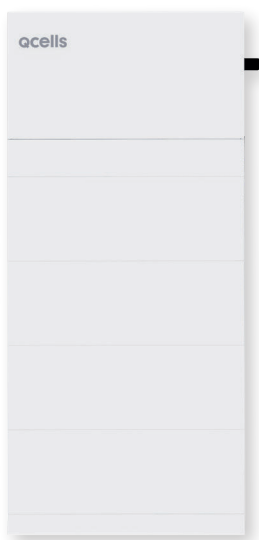
# Q.HOME CORE

## Residential Energy Storage Solution



H3S/H7S : DC or AC-coupled

MODEL Q.VOLT H3.8/7.6SX | Q.SAVE D10.0/15.0/20.0SX | Q.HOME HUB 200SX



Q.VOLT & Q.SAVE



Q.HOME HUB

### Better Energy. One Powerful Partner.

Security that protects against uncertainty. Power you can rely on. Design that scales to your needs.



#### Peace of Mind

One Brand. One Warrantor. Backed by Qcells' inclusive 10-year product warranty on all Q.HOME CORE components with best-in-class customer support.



#### Smart Design and Scalable Solutions

Parallel stacking so you can scale the system to the size your home needs.



#### Simplified Installation and Commissioning

Smart commissioning via a web browser or mobile app, and remote diagnostics for issue resolution.



#### Compact Design and Sleek Appeal

Save floor space with a single battery and inverter integrated into one tower with a modern, very thin profile



#### Safety and Reliability

Integrated module-level rapid shutdown solution.



#### Ideal Complete Solution to Fit Your Lifestyle

Q.VOLT, Q.SAVE and Q.HOME HUB pair perfectly with Qcells' #1 residential solar panels\* for a full suite of clean energy solutions for any home.

\*Wood Mackenzie U.S. PV Leaderboard for 16 consecutive quarters for the residential segment.

# Q.HOME CORE

## Q.VOLT H3.8/7.6SX



- Up to 200% oversizing allowed
- Up to 3 MPPTs
- Maximum 16 A PV input current
- Microgrid supported
- Peak efficiency: 98%
- Integrated arc fault protection and rapid shutdown transmitter

## Q.SAVE D10.0/15.0/20.0SX

- Long life & safe LFP battery
- Up to four 5 kWh stackable batteries, 20 kWh maximum
- Modular design & quick installation
- Floor or wall mounted



## Q.HOME HUB 200SX

- Maximum 200 A AC current
- Flexible home backup
- Built-in energy management meter

## ■ Q.VOLT H3.8/7.6SX

		Q.VOLT H3.8SX	Q.VOLT H7.6SX
<b>INPUT PV</b>			
Maximum recommended PV power	[W]	7600	15200
Maximum DC voltage	[V]		550
Normal DC operating voltage	[V]		360
Maximum input current	[A]	A: 16/B: 16	A: 16/B: 16/C: 16
Maximum short circuit current	[A]	A: 20/B: 20	A: 20/B: 20/C: 20
MPPT voltage range	[V]		90 to 500
Start input voltage	[V]		120
No. of MPP trackers, Strings per MPP tracker		2, 1/1	3, 1/1
DC disconnection switch			YES
<b>INPUT / OUTPUT AC</b>			
Nominal AC power	[VA]	3816	7608
Maximum apparent AC power	[VA]	3816	7608
Nominal AC voltage / Nominal AC frequency	[V/Hz]		240/60
Nominal AC current	[A]	15.9	31.7
Displacement power factor			0.8 leading to 0.8 lagging
Total harmonic distortion (THD, rated power)	[%]		< 3
<b>INPUT / OUTPUT BATTERY</b>			
Battery type			Li-ion (LFP)
Maximum output power	[W]	3816	7600
Maximum charge / discharge current	[A]		54
Reverse-polarity protection			YES
Cycle efficiency charging to discharging	[%]	88.5	92.5
<b>ADDITIONAL FEATURES</b>			
AFCI			YES
Rapid shutdown transmitter			Integrated PLC Rapid Shutdown Transmitter
<b>EFFICIENCY</b>			
CEC weighted efficiency	[%]		97.50
Maximum inverter efficiency	[%]		98.00
<b>POWER CONSUMPTION</b>			
Internal consumption (night)	[W]		< 3
<b>STANDARD</b>			
Safety		UL1741, UL1741SA, UL1741SB, UL1741 PCS, UL1699B, CSA - C22.2 No. 1071-01, Canadian AFCI according to T.I.L. M-07	
Emissions		FCC Part 15 Class B	
Grid connection standards		IEEE1547, UL 1741 SB, CA Rule 21, Rule 14 (HI)	
Revenue grade metering		ANSI C12.20	
<b>INSTALLATION SPECIFICATIONS</b>			
Protection class		NEMA 4X	
Operating temperature range	[°F/°C]	-13 to +140 / -25 to +60	
De-rating start temperature	[°F/°C]	113/45 or above	
Storage temperature range	[°F/°C]	-13 to +167 / -25 to +75	
Relative humidity	[%]	0 to 95	
Altitude	[ft/m]	9843/3000 MAX	
Typical noise emission	[dBA]	< 30	
Over voltage category		IV (electric supply side), II (PV side)	
<b>GENERAL</b>			
Dimensions (W × H × D)	[in/mm]	33.1 × 15.7 × 5.7/840 × 400 × 145	
Weight	[lb/Kg]	75/34	
Cooling		Natural convection	
Topology		Transformerless	
Communication interfaces		RS485, CAN, WIFI/Dry Contact	
Warranty		10 years	

## ■ Q.SAVE D10.0/15.0/20.0SX

		Q.SAVE D10.0SX	Q.SAVE D15.0SX	Q.SAVE D20.0SX
<b>MODEL</b>				
Battery type			100Ah Lithium (LFP)	
Component		BMS-G2 + 2*BAT50-G2	BMS-G2 + 3*BAT50-G2	BMS-G2 + 4*BAT50-G2
<b>NOMINAL CHARACTER</b>				
Voltage	[V]	102.4	153.6	204.8
Operating voltage range	[V]	90 to 116	135 to 174	180 to 232
Total energy	[kWh]	10	15	20
Usable energy*	[kWh]	9	13.5	18
Battery roundtrip efficiency**	[%]		95	
Maximum power	[kW]	5.5	8.3	11.1
Maximum charge/discharge current	[A]		54	
Cycle life (90% DOD)			6000 cycles	
Warranty			10 years	
* Test Conditions: 90% DOD, 0.2C charge & discharge at +25°C.				
** Maximum Charge/Discharge power may be variant with different inverter models.				
<b>INSTALLATION SPECIFICATIONS</b>				
Charge/Discharge temperature range	[°F/°C]	Charge: 32 to 127.4/0 to 53, Discharge: 14 to 127.4/-10 to 53		
Storage temperature range	[°F/°C]	3 months: 4 to 122/-20 to 50, 1 year: 32 to 104/0 to 40		
Relative humidity	[%]	0 to 100		
Altitude	[ft/m]	9843/3000 MAX		
Protection class		NEMA 4X		
<b>STANDARD</b>				
Certification		UN38.3, UL1973, UL9540, UL9540A		
Hazardous materials classification		Class 9		
<b>GENERAL</b>				
Cooling		Natural convection		
Dimensions (W × H × D) - BMS-G2	[in/mm]	33.5 × 5.2 × 5.8/850 × 133 × 148		
Dimensions (W × H × D) - BAT50-G2	[in/mm]	33.5 × 23.6 × 5.8/ 850 × 600 × 148	33.5 × 35.4 × 5.8/ 850 × 900 × 148	33.5 × 47.2 × 5.8/ 850 × 600 × 148
Dimensions (W × H × D) - Base	[in/mm]	33.5 × 2.2 × 5.8/850 × 55 × 148		
Weight	[lb/kg]	BMS-G2: 22/10 + (2) BAT50-G2: 238/108	BMS-G2: 22/10 + (3) BAT50-G2: 357/162	BMS-G2: 22/10 + (4) BAT50-G2: 476/216

## ■ Q.HOME HUB 200SX

<b>GRID INPUT</b>				
Nominal AC input voltage/Nominal AC frequency	[V/Hz]	120/240, 60		
Maximum AC input current	[A]	160		
<b>OUTPUT TO MAIN PANEL IN GRID TIED OPERATION</b>				
Nominal AC output voltage	[V]	120/240		
Maximum AC input current	[A]	160		
<b>OUTPUT TO MAIN PANEL IN BACKUP OPERATION</b>				
Nominal AC output voltage	[V]	120/240		
Imbalance compensation in backup operation	[VA]	5000		
Split phase imbalance output current	[A]	41.7		
Maximum AC output current	[A]	126.8		
<b>GENERAL</b>				
Dimensions (H × W × D)	[in/mm]	27.8 × 17.7 × 5.9/706 × 450 × 15		
Weight	[lb/Kg]	69.4 / 31.5		
Energy meter accuracy	[%]	1		
Communication interfaces		RS485, CAN, Dry Contact		
Cooling		Fan		
Warranty		10 years		
<b>STANDARD</b>				
Safety		UL1741, CSA 22.2 NO:107		
Emissions		FCC part 15 Class B		
<b>INSTALLATION SPECIFICATIONS</b>				
Altitude	[ft/m]	9843/3000 MAX		
Operating temperature range	[°F/°C]	-13 to +140/-25 to +60		
Protection class		NEMA 3R		
Typical noise emission	[dBA]	< 50		

Qcells pursues minimizing paper output in consideration of the global environment.

Note: Installation instructions must be followed. Contact our technical service for further information on approved installation of this product.  
 Hanwha Q CELLS America Inc. 400 Spectrum Center Drive, Suite 1400, Irvine, CA 92618, USA | TEL +1 949 748 59 96 | EMAIL hqc-inquiry@qcells.com | WEB www.qcells.com

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