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



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

Q.SAVE D10.0/15.0/20.0SX

- Long life & safe LFP battery
- Up to 3 MPPTs
- Maximum 16 A PV input current

• Up to 200% oversizing allowed

- Microgrid supported
- Peak efficiency: 98%
- Integrated arc fault protection and Floor or wall mounted rapid shutdown transmitter
- Up to four 5 kWh stackable batteries, 20 kWh maximum
- Modular design & quick installation



10 years

• Maximum 200 A AC current

- Flexible home backup
- Built-in energy management meter

Q.VOLT H3.8/7.6SX

Warranty

		Q.VOLT H3.8SX	Q.VOLT H7.6SX	
NPUT PV				
Maximum recommended PV power	[W]	7600	15200	
Max DC Power Input*	[W]	5700	11400	
Maximum DC voltage	[V]	55		
Norminal DC operating voltage	[V]	36		
Maximum input current	[A]	A: 16/B: 16	A: 16/B: 16/C: 16	
Maximum short circuit current	[A]	A: 20/B: 20	A: 10/B: 10/C: 10	
MPPT voltage range	[V]	90 to		
Start input voltage	[V]	120		
No. of MPP trackers, Strings per MPP tracker		2, 1/1	3, 1/1	
DC disconnection switch		YE	5	
* Maximum usable PV energy to inverter and battery.				
INPUT/OUTPUT AC				
Nominal AC power	[VA]	3816	7608	
Maximum continuous AC power	[VA]	3816	7608	
Nominal AC voltage/Nominal AC frequency	[V/Hz]	240		
Nominal AC current		15.9	31.7	
	[A]			
Displacement power factor	F0/1	0.8 leading to		
Total harmonic distortion (THD, rated power)	[%]	< ;	3	
INPUT/OUTPUT BATTERY				
Battery type		Li-ion	(LEP)	
Maximum output power	[W]	3816	7600	
Maximum charge / discharge current	[A]	54		
Reverse-polarity protection	[A]	YE		
Cycle efficiency charging to discharging	[%]	88.5	92.5	
Cycle efficiency charging to discharging	[70]	00.5	92.5	
ADDITIONAL FEATURES				
AFCI		YE	S	
Rapid shutdown transmitter		Integrated PLC Rapid Shutdown Transmitter		
		egratea i ze napia e	Shatae William Manamatan	
EFFICIENCY				
CEC weighted efficiency	[%]	97.5	50	
Maximum inverter efficiency	[%]	98.0	00	
POWER CONSUMPTION				
Internal consumption (night)	[W]	<;	3	
STANDARD				
O INITUALLY		LII 17/1 LII 17/10 A LII 17/10 D LII 17/1 DC	CS LIL1600D CSA C22.2 No. 1071.01	
Safety		UL1741, UL1741SA, UL1741SB, UL1741 PC Canadian AFCI acco		
Emissions				
Emissions Grid connection standards		FCC Part 15 Class B		
Grid connection standards		IEEE1547, UL 1741 SB, CA Rule 21, Rule 14 (HI)		
Revenue grade metering		ANSIC	.12.20	
INSTALLATION SPECIFICATIONS				
Protection class		NEMA	Δ 4X	
Operating temperature range	[°F/°C]			
<u> </u>		-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)	
GENERAL				
GENERAL	Fine /	004453 534	240 × 400 × 445	
Dimensions (W × H × D)	[in/mm]	33.1 × 15.7 × 5.7/8		
Weight	[lb/Kg]	75/		
Cooling		Natural co		
Topology		Transformerless		
Communication interfaces		RS485, CAN, WI	FI/Dry Contact	

specifications subject to technical changes. © **Ocells** Q.HOME CORE_2023-06_Rev04_NA

Q.SAVE D10.0/15.0/20.0SX

		Q.SAVE D10.0SX	Q.SAVE D15.0SX	Q.SAVE D20.0SX
MODEL				
Battery type			100Ah Lithium (LFP)	
Component		BMS-G2 + 2*BAT50-G2	BMS-G2 + 3*BAT50-G2	BMS-G2 + 4*BAT50-G2
NOMINAL CHARACTER				
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	
C rating			0.54 C	
Cycle life (90 % DOD)			6000 cycles	
Warranty			10 years	

 $^{^{\}circ}$ Test Conditions: 90 % DOD, 0.2 C charge & discharge at +25 $^{\circ}\text{C}.$

^{**} Maximum Charge/Discharge power may be variant with different inverter models.

INSTALLATION SPECIFICATIONS		
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
STANDARD		
Certification		UN38.3, UL1642, UL1973, UL9540, UL9540A
Hazardous materials classification		Class 9

GENERAL				
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/	33.5 × 35.4 × 5.8/	33.5 × 47.2 × 5.8/
		850 × 600 × 148	850 × 900 × 148	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)	BMS-G2: 22/10 + (3)	BMS-G2: 22/10 + (4)
		BAT50-G2: 238/108	BAT50-G2: 357/162	BAT50-G2: 476/216

Q.HOME HUB 200SX

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GRID INPUT			
Nominal AC input voltage/Nominal AC frequency	[V/Hz]	120/240, 60	
Maximum AC input current	[A]	160	
OUTPUT TO MAIN PANEL IN GRID TIED OF	PERATION		
Nominal AC output voltage	[V]	120/240	
Maximum AC input current	[A]	160	
OUTPUT TO MAIN PANEL IN BACKUP OPE	RATION		
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	
GENERAL			
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	
STANDARD			
Safety		UL1741, CSA 22.2 NO.107	
Emissions		FCC part 15 Class B	
INSTALLATION SPECIFICATIONS			
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	