

CQ6 Range (Max 50A charge/discharge):

	Inverter Rated Output Power	Inverter Max Charge/Discharge Current	CQ6-L2 1x CQ6-M 1x CQ6-S	CQ6-L3 1x CQ6-M 2x CQ6-S	CQ6-L4 1x CQ6-M 3x CQ6-S	CQ6-L5 1x CQ6-M 4x CQ6-S	CQ6-L6 1x CQ6-M 5x CQ6-S	CQ6-L7 1x CQ6-M 6x CQ6-S	CQ6-L8 1x CQ6-M 7x CQ6-S	CQ6-L9 1x CQ6-M 8x CQ6-S	CQ6-L10 1x CQ6-M 9x CQ6-S	CQ6-L11 1x CQ6-M 10x CQ6-S	CQ6-L12 1x CQ6-M 11x CQ6-S	CQ6-L13 1x CQ6-M 12x CQ6-S	CQ6-L14 1x CQ6-M 13x CQ6-S
Capacity	-	-	11.98kWh	17.97kWh	23.96kWh	29.95kWh	35.94kWh	41.93kWh	47.92kWh	53.91kWh	59.90kWh	65.89kWh	71.88kWh	77.87kWh	83.86kWh
Battery Rated Charge/Discharge Power	-	-	5.76 kW	8.64 kW	11.52 kW	14.4 kW	17.28 kW	20.16 kW	23.04 kW	25.92 kW	28.80 kW	31.68 kW	34.56 kW	37.44 kW	40.32 kW
H1-3.0-E-G2 / AC1-3.0-E-G2	3kW	40A	Yes Max, 3kW	Yes Max, 3kW	Yes Max, 3kW	Yes Max, 3kW	Yes Max, 3kW	Yes Max, 3kW	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range
H1-3.7-E-G2 / AC1-3.7-E-G2	3,7kW	40A	Yes Max, 3,7kW	Yes Max, 3,7kW	Yes Max, 3,7kW	Yes Max, 3,7kW	Yes Max, 3,7kW	Yes Max, 3,7kW	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range
H1-4.6-E-G2 / AC1-4.6-E-G2	4,6kW	40A	Yes Max, 4,6kW	Yes Max, 4,6kW	Yes Max, 4,6kW	Yes Max, 4,6kW	Yes Max, 4,6kW	Yes Max, 4,6kW	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range
H1-5.0-E-G2 / AC1-5.0-E-G2	5kW	40A	Yes Max, 5kW	Yes Max, 5kW	Yes Max, 5kW	Yes Max, 5kW	Yes Max, 5kW	Yes Max, 5kW	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range
H1-6.0-E-G2 / AC1-6.0-E-G2	6kW	40A	Yes* Max, 5,76kW	Yes Max, 6kW	Yes Max, 6kW	Yes Max, 6kW	Yes Max, 6kW	Yes Max, 6kW	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range
KH7 / KA7	7kW	50A	Yes* Max, 5,76kW	Yes Max, 7kW	Yes Max, 7kW	Yes Max, 7kW	Yes Max, 7kW	Yes Max, 7kW	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range
KH8 / KA8	8kW	50A	Yes* Max, 5,76kW	Yes Max, 8kW	Yes Max, 8kW	Yes Max, 8kW	Yes Max, 8kW	Yes Max, 8kW	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range
KH9 / KA9	9kW	50A	Yes* Max, 5,76kW	Yes* Max, 8,64kW	Yes Max, 9kW	Yes Max, 9kW	Yes Max, 9kW	Yes Max, 9kW	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range
KH9,9/KA9,9	9,9kW	50A	Yes* Max, 5,76kW	Yes* Max, 8,64kW	Yes Max, 10kW	Yes Max, 10kW	Yes Max, 10kW	Yes Max, 10kW	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range
KH10 / KA10	10kW	50A	Yes* Max, 5,76kW	Yes* Max, 8,64kW	Yes Max, 10kW	Yes Max, 10kW	Yes Max, 10kW	Yes Max, 10kW	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range
KH10,5/KA10,5	10,5kW	50A	Yes* Max, 5,76kW	Yes* Max, 8,64kW	Yes Max, 10,5kW	Yes Max, 10,5kW	Yes Max, 10,5kW	Yes Max, 10,5kW	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range	No exceed inverter charge range
H3-5,0-Smart	5kW	50A	Yes Max, 5kW	Yes Max, 5kW	Yes Max, 5kW	Yes Max, 5kW	Yes Max, 5kW	Yes Max, 5kW	Yes Max, 5kW	Yes Max, 5kW	Yes Max, 5kW	Yes Max, 5kW	Yes Max, 5kW	No exceed inverter charge range	No exceed inverter charge range
H3-6,0-Smart	6kW	50A	Yes* Max, 5,76kW	Yes Max, 6kW	Yes Max, 6kW	Yes Max, 6kW	Yes Max, 6kW	Yes Max, 6kW	Yes Max, 6kW	Yes Max, 6kW	Yes Max, 6kW	Yes Max, 6kW	Yes Max, 6kW	No exceed inverter charge range	No exceed inverter charge range
H3-8,0-Smart	8kW	50A	Yes* Max, 5,76kW	Yes Max, 8kW	Yes Max, 8kW	Yes Max, 8kW	Yes Max, 8kW	Yes Max, 8kW	Yes Max, 8kW	Yes Max, 8kW	Yes Max, 8kW	Yes Max, 8kW	Yes Max, 8kW	No exceed inverter charge range	No exceed inverter charge range
H3-9,9-Smart	9,9kW	50A	Yes* Max, 5,76kW	Yes* Max, 8,64kW	Yes Max, 10kW	Yes Max, 10kW	Yes Max, 10kW	Yes Max, 10kW	Yes Max, 10kW	Yes Max, 10kW	Yes Max, 10kW	Yes Max, 10kW	Yes Max, 10kW	No exceed inverter charge range	No exceed inverter charge range
H3-10,0-Smart	10kW	50A	Yes* Max, 5,76kW	Yes* Max, 8,64kW	Yes Max, 10kW	Yes Max, 10kW	Yes Max, 10kW	Yes Max, 10kW	Yes Max, 10kW	Yes Max, 10kW	Yes Max, 10kW	Yes Max, 10kW	Yes Max, 10kW	No exceed inverter charge range	No exceed inverter charge range
H3-12,0-Smart	12kW	50A	Yes* Max, 5,76kW	Yes* Max, 8,64kW	Yes Max, 11,52kW	Yes Max, 12kW	Yes Max, 12kW	Yes Max, 12kW	Yes Max, 12kW	Yes Max, 12kW	Yes Max, 12kW	Yes Max, 12kW	Yes Max, 12kW	No exceed inverter charge range	No exceed inverter charge range
H3-15,0-Smart	15kW	50A	Yes* Max, 5,76kW	Yes* Max, 8,64kW	Yes Max, 11,52kW	Yes* Max, 14,4kW	Yes Max, 15kW	Yes Max, 15kW	Yes Max, 15kW	Yes Max, 15kW	Yes Max, 15kW	Yes Max, 15kW	Yes Max, 15kW	No exceed inverter charge range	No exceed inverter charge range
H3-15,0-Pro	15kW	50A (One Battery Stack)	No Does not reach inverter's output range	No Does not reach inverter's output range	Yes* Max, 11,52kW	Yes* Max, 14,4kW	Yes Max, 15kW	Yes Max, 15kW	Yes Max, 15kW	Yes Max, 15kW	Yes Max, 15kW	Yes Max, 15kW	Yes Max, 15kW	No exceed inverter charge range	No exceed inverter charge range
		50A + 50A (Two Battery Stack)	No Does not reach inverter's output range	No Does not reach inverter's output range	Yes Max, 15kW	Yes Max, 15kW	Yes Max, 15kW	Yes Max, 15kW	Yes Max, 15kW	Yes Max, 15kW	Yes Max, 15kW	Yes Max, 15kW	Yes Max, 15kW	No exceed inverter charge range	No exceed inverter charge range
H3-20,0-Pro	20kW	50A (One Battery Stack)	No Does not reach inverter's output range	No Does not reach inverter's output range	Yes* Max, 11,52kW	Yes* Max, 14,4kW	Yes* Max, 17,28kW	Yes Max, 20kW	Yes Max, 20kW	Yes Max, 20kW	Yes Max, 20kW	Yes Max, 20kW	Yes Max, 20kW	No exceed inverter charge range	No exceed inverter charge range
		50A + 50A (Two Battery Stack)	No Does not reach inverter's output range	No Does not reach inverter's output range	Yes Max, 20kW	Yes Max, 20kW	Yes Max, 20kW	Yes Max, 20kW	Yes Max, 20kW	Yes Max, 20kW	Yes Max, 20kW	Yes Max, 20kW	Yes Max, 20kW	No exceed inverter charge range	No exceed inverter charge range
H3-25,0-Pro	25kW	50A (One Battery Stack)	No Does not reach inverter's output range	No Does not reach inverter's output range	Yes* Max, 11,52kW	Yes* Max, 14,4kW	Yes* Max, 17,28kW	Yes* Max, 20,16kW	Yes* Max, 23,04kW	Yes Max, 25kW	Yes Max, 25kW	Yes Max, 25kW	Yes Max, 25kW	No exceed inverter charge range	No exceed inverter charge range
		50A + 50A (Two Battery Stack)	No Does not reach inverter's output range	No Does not reach inverter's output range	Yes* Max, 23,04kW	Yes Max, 25kW	Yes Max, 25kW	Yes Max, 25kW	Yes Max, 25kW	Yes Max, 25kW	Yes Max, 25kW	Yes Max, 25kW	Yes Max, 25kW	No exceed inverter charge range	No exceed inverter charge range
H3-29,9-Pro	29,9kW	50A (One Battery Stack)	No Does not reach inverter's output range	No Does not reach inverter's output range	Yes* Max, 11,52kW	Yes* Max, 14,4kW	Yes* Max, 17,28kW	Yes* Max, 20,16kW	Yes* Max, 23,04kW	Yes* Max, 25,92kW	Yes* Max, 28,80kW	Yes Max, 29,9kW	Yes Max, 29,9kW	No exceed inverter charge range	No exceed inverter charge range
		50A + 50A (Two Battery Stack)	No Does not reach inverter's output range	No Does not reach inverter's output range	Yes* Max, 28,8kW	Yes Max, 29,9kW	Yes Max, 29,9kW	Yes Max, 29,9kW	Yes Max, 29,9kW	Yes Max, 29,9kW	Yes Max, 29,9kW	Yes Max, 29,9kW	Yes Max, 29,9kW	No exceed inverter charge range	No exceed inverter charge range
H3-30,0-Pro	30kW	50A (One Battery Stack)	No Does not reach inverter's output range	No Does not reach inverter's output range	Yes* Max, 11,52kW	Yes* Max, 14,4kW	Yes* Max, 17,28kW	Yes* Max, 20,16kW	Yes* Max, 23,04kW	Yes* Max, 25,92kW	Yes* Max, 28,80kW	Yes Max, 30kW	Yes Max, 30kW	No exceed inverter charge range	No exceed inverter charge range
		50A + 50A (Two Battery Stack)	No Does not reach inverter's output range	No Does not reach inverter's output range	Yes* Max, 23,04kW	Yes Max, 28,8kW	Yes Max, 30kW	Yes Max, 30kW	Yes Max, 30kW	Yes Max, 30kW	Yes Max, 30kW	Yes Max, 30kW	Yes Max, 30kW	No exceed inverter charge range	No exceed inverter charge range



Please refer to the following page for explanation of colour codes:

No	Not permitted. Voltages are outside of inverter rated input limits. Please refer to inverter data sheets for more information.
Yes*	Will supply kWh, but will not supply full power of inverter rated power from battery alone. The number quoted is maximum battery discharge. The surplus needs to come from PV. Please refer to battery data sheet for more information.
Yes	100% Compatible. Inverter can discharge at full rated output power.

Supplementary power:

The numbers stated are purely battery discharge/charge ratings (please refer to battery datasheets). If the battery power is insufficient, the power can be made up by PV generation to the inverter's capacity. The PV is still the primary source to supply house loads during an outage or normal use, and any surplus will charge the battery if needed. If the power generated by PV is not required for battery charge, the inverter will donate to in-line loads only as an outage, or be supplemented from the grid in normal use.

Please refer to the product manuals for further information.

DC cable sizing:

CQ6 series: minimum 10mm² (50A charge/discharge).

Battery cable clamping guide can be found separately, and appropriate standards and regulations must be followed.