

Manufacturer Declaration of Inverter Battery

Compatibility CQ7 Series

Each inverter model specifies a permissible battery input voltage window. As all battery modules in a string are connected in series, the system requires a defined minimum and maximum number of modules per string to ensure the combined voltage remains within the allowable range.

The following is the composition of the CQ7 series battery system.

Battery System	Main Battery Module	Amount	Subordinate Battery Module	Amount
CQ7-50-L2 CQ7-50-L2 (w) CQ7-L2 CQ7-L2 (w)	CQ7-M-50 CQ7-M-50 (w) CQ7-M CQ7-M (w)	1	CQ7-S-50 CQ7-S-50 (w) CQ7-S CQ7-S (w)	1
CQ7-50-L3 CQ7-50-L3 (w) CQ7-L3 CQ7 (w)	CQ7-M-50 CQ7-M-50 (w) CQ7-M CQ7-M (w)	1	CQ7-S-50 CQ7-S-50 (w) CQ7-S CQ7-S (w)	2
CQ7-50-L4 CQ7-50-L4 (w) CQ7-L4 CQ7-L4 (w)	CQ7-M-50 CQ7-M-50 (w) CQ7-M CQ7-M (w)	1	CQ7-S-50 CQ7-S-50 (w) CQ7-S CQ7-S (w)	3
CQ7-50-L5 CQ7-50-L5 (w) CQ7-L5 CQ7-L5 (w)	CQ7-M-50 CQ7-M-50 (w) CQ7-M CQ7-M (w)	1	CQ7-S-50 CQ7-S-50 (w) CQ7-S CQ7-S (w)	4
CQ7-50-L6 CQ7-50-L6 (w) CQ7-L6 CQ7-L6 (w)	CQ7-M-50 CQ7-M-50 (w) CQ7-M CQ7-M (w)	1	CQ7-S-50 CQ7-S-50 (w) CQ7-S CQ7-S (w)	5
CQ7-50-L7 CQ7-50-L7 (w) CQ7-L7 CQ7-L7 (w)	CQ7-M-50 CQ7-M-50 (w) CQ7-M CQ7-M (w)	1	CQ7-S-50 CQ7-S-50 (w) CQ7-S CQ7-S (w)	6
CQ7-50-L8 CQ7-50-L8 (w) CQ7-L8 CQ7-L8 (w)	CQ7-M-50 CQ7-M-50 (w) CQ7-M CQ7-M (w)	1	CQ7-S-50 CQ7-S-50 (w) CQ7-S CQ7-S (w)	7
CQ7-50-L9 CQ7-50-L9 (w)	CQ7-M-50 CQ7-M-50 (w)	1	CQ7-S-50 CQ7-S-50 (w)	8

CQ7-L9 CQ7-L9(w)	CQ7-M CQ7-M (w)		CQ7-S CQ7-S (w)	
CQ7-50-L10 CQ7-50-L10 (w) CQ7-L10 CQ7-L10 (w)	CQ7-M-50 CQ7-M-50 (w) CQ7-M CQ7-M (w)	1	CQ7-S-50 CQ7-S-50 (w) CQ7-S CQ7-S (w)	9
CQ7-50-L11 CQ7-50-L11 (w) CQ7-L11 CQ7-L11 (w)	CQ7-M-50 CQ7-M-50 (w) CQ7-M CQ7-M (w)	1	CQ7-S-50 CQ7-S-50 (w) CQ7-S CQ7-S (w)	10
CQ7-50-L12 CQ7-50-L12 (w) CQ7-L12 CQ7-L12 (w)	CQ7-M-50 CQ7-M-50 (w) CQ7-M CQ7-M (w)	1	CQ7-S-50 CQ7-S-50 (w) CQ7-S CQ7-S (w)	11
CQ7-50-L13 CQ7-50-L13 (w) CQ7-L13 CQ7-L13 (w)	CQ7-M-50 CQ7-M-50 (w) CQ7-M CQ7-M (w)	1	CQ7-S-50 CQ7-S-50 (w) CQ7-S CQ7-S (w)	12
CQ7-50-L14 CQ7-50-L14 (w) CQ7-L14 CQ7-L14 (w)	CQ7-M-50 CQ7-M-50 (w) CQ7-M CQ7-M (w)	1	CQ7-S-50 CQ7-S-50 (w) CQ7-S CQ7-S (w)	13

The compatibility for inverters and CQ7 series battery is shown below

Single Phase Hybrid Inverter Models	H1-3.0-E-G2, H1-3.7-E-G2 H1-4.6-E-G2, H1-5.0-E-G2 H1-6.0-E-G2, AC1-3.0-E-G2 AC1-3.7-E-G2, AC1-4.6-E-G2 AC1-5.0-E-G2, AC1-6.0-E-G2 (Battery Qty min.~max.)	KH7, KH8 KH9, KH9.9 KH10, KH10.5 KA7, KA8 KA9.9, KA10.5 (Battery Qty min.~max.)
Compatible CQ7 Battery Models	CQ7-50-L2 ~ CQ7-50-L7 CQ7-50-L2 (w) ~ CQ7-50-L7 (w) CQ7-L2 ~ CQ7-L7 CQ7-L2 (w) ~ CQ7-L7 (w)	CQ7-50-L2 ~ CQ7-50-L7 CQ7-50-L2 (w) ~ CQ7-50-L7 (w) CQ7-L2 ~ CQ7-L7 CQ7-L2 (w)~ CQ7-L7 (w)

Three Phase Hybrid Inverter Models	H3-5.0-Smart, H3-6.0-Smart, H3-8.0-Smart, H3-9.9-Smart, H3-10.0-Smart, H3-12.0-Smart, H3-15.0-Smart (Battery Qty min.~max.)	H3 Pro-15.0, H3 Pro-20.0 H3 Pro-25.0, H3 Pro-29.9, H3 Pro-30.0 (Battery Qty min.~max.)
---	--	---

Compatible CQ7 battery models	CQ7-50-L3 ~ CQ7-50-L12 CQ7-50-L3 (w) ~ CQ7-50-L12 (w) CQ7-L3 ~ CQ7-L12 CQ7-L3 (w) ~ CQ7-L12 (w)	CQ7-50-L3 ~ CQ7-50-L12 CQ7-50-L3 (w) ~ CQ7-50-L12 (w) CQ7-L3 ~ CQ7-L12 CQ7-L3 ~ CQ7-L12 (w)
--------------------------------------	--	--

Three Phase Hybrid Inverter Models	H3-50-Plus, H3-60-Plus, H3-75-Plus, H3-80-Plus, H3-100-Plus, H3-125-Plus (Battery Qty min.~max.)
Compatible CQ7 Battery Models	CQ7-50-L4 ~ CQ7-50-L14 CQ7-50-L4 (w) ~ CQ7-50-L14 (w) CQ7-L4 ~ CQ7-L14 CQ7-L4 (w) ~ CQ7-L14 (w)

The inverter and battery models mentioned above are all from Fox ESS.


Above battery configuration is for single battery string .

* H3 Pro series inverter support maximum 2 strings of batteries connecting to 2 independent battery inputs separately;

**H3 Plus series inverter support maximum 3 strings of batteries connecting to 3 independent battery inputs separately.

Wenzhou, China
PLACE

April 1st, 2026
DATE


Director of Product

麦田能源股份有限公司
FOXESS CO., LTD.