

# EQ5500 INVERTER COMPATIBILITY LIST



EQ-M(BMS + Battery)

- 
- Max 9
- units in series
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EQ-S(Battery)



Base

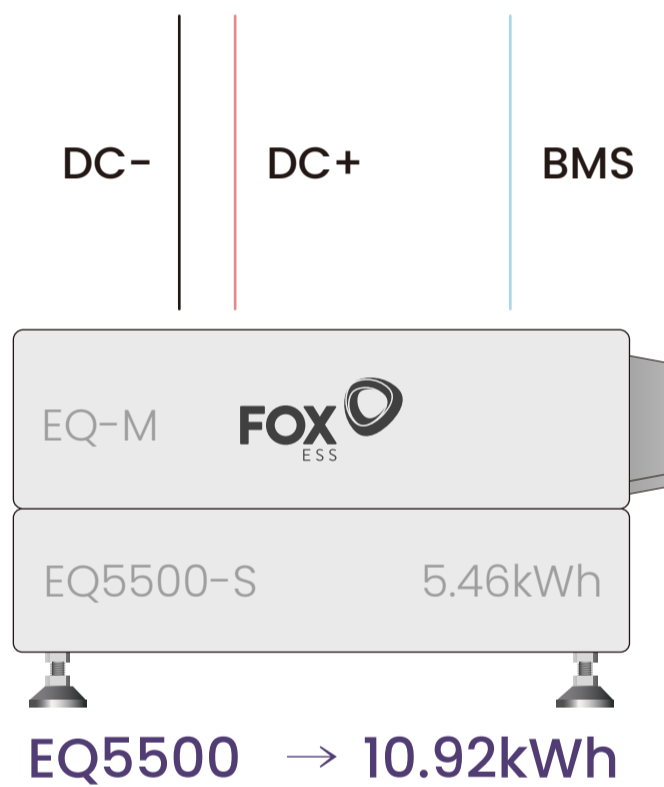
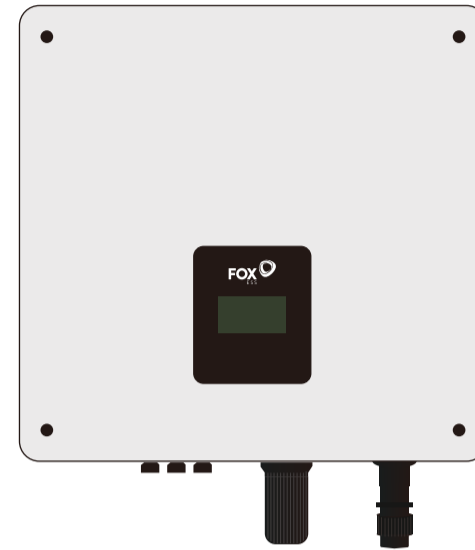
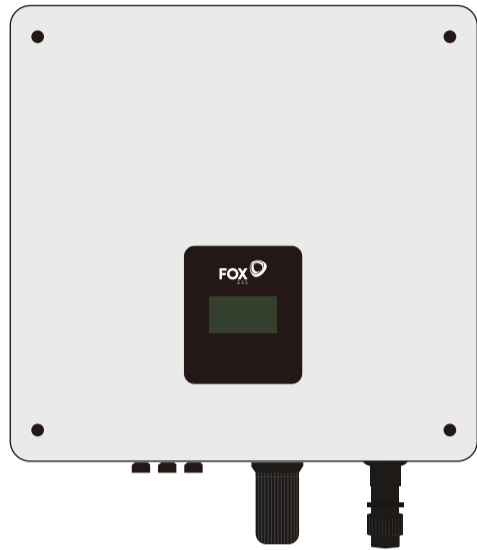
- Foolproof plug-and-play connection, system setup in 30 minutes.
- IP65 rating for outdoor use, resistant to harsh weather.
- Built-in fire suppression module (optional)\*, ensuring safety and reliability
- Modular design for flexible capacity expansion.
- Premium LiFePO<sub>4</sub> cells and full aluminum die-cast housing for superior safety and reliability.
- Maximum 100% DOD

Series	EQ5500 (Battery Qty Min.-Max.)	Inverter
Single Phase System	[1EQ-M+1EQ-S] - [1EQ-M+8EQ-S]	H1-G2
	[1EQ-M+1EQ-S] - [1EQ-M+8EQ-S]	KH
Three Phase System	[1EQ-M+2EQ-S] - [1EQ-M+8EQ-S]	H3 SMART
	[1EQ-M+3EQ-S] - [1EQ-M+8EQ-S]	H3 PRO

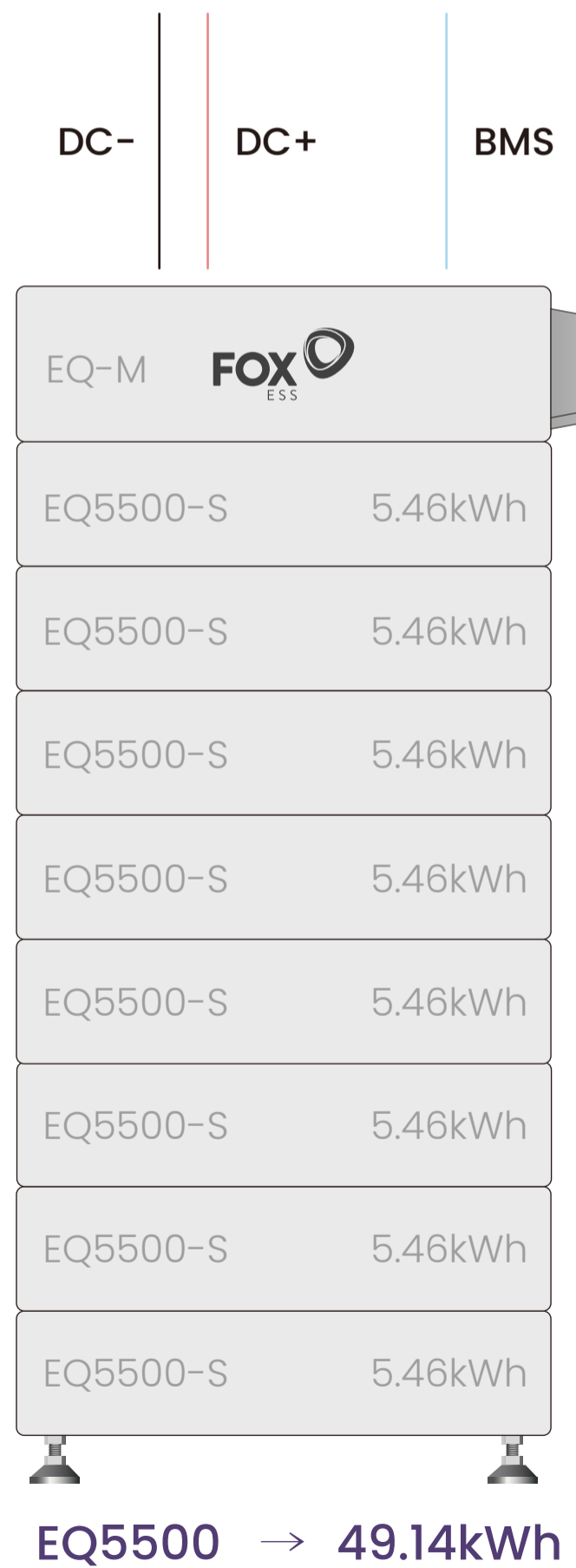
\* not available in Australia market

# EQ5500 + SINGLE PHASE SYSTEM

H1-G2(3~6kW)

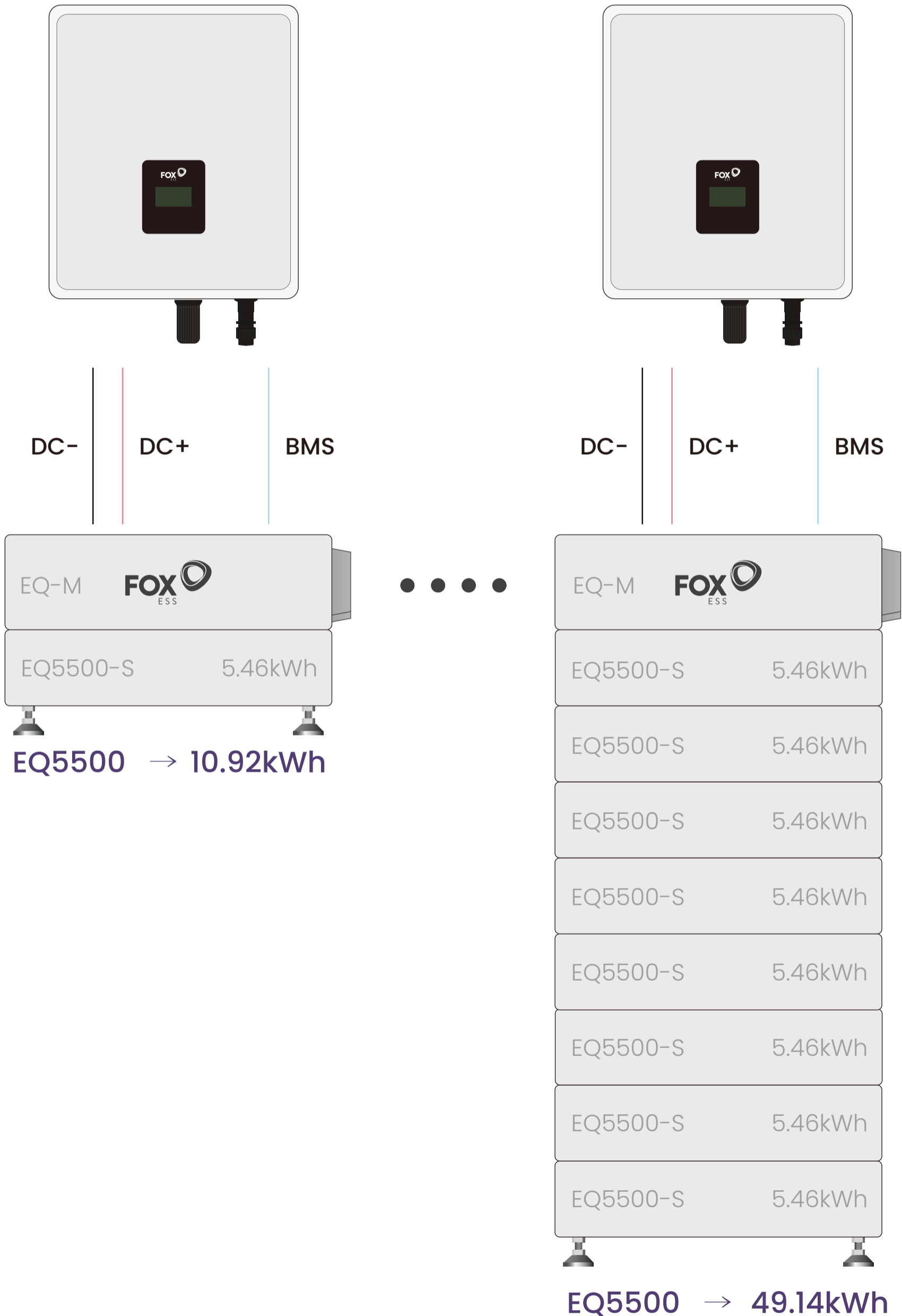


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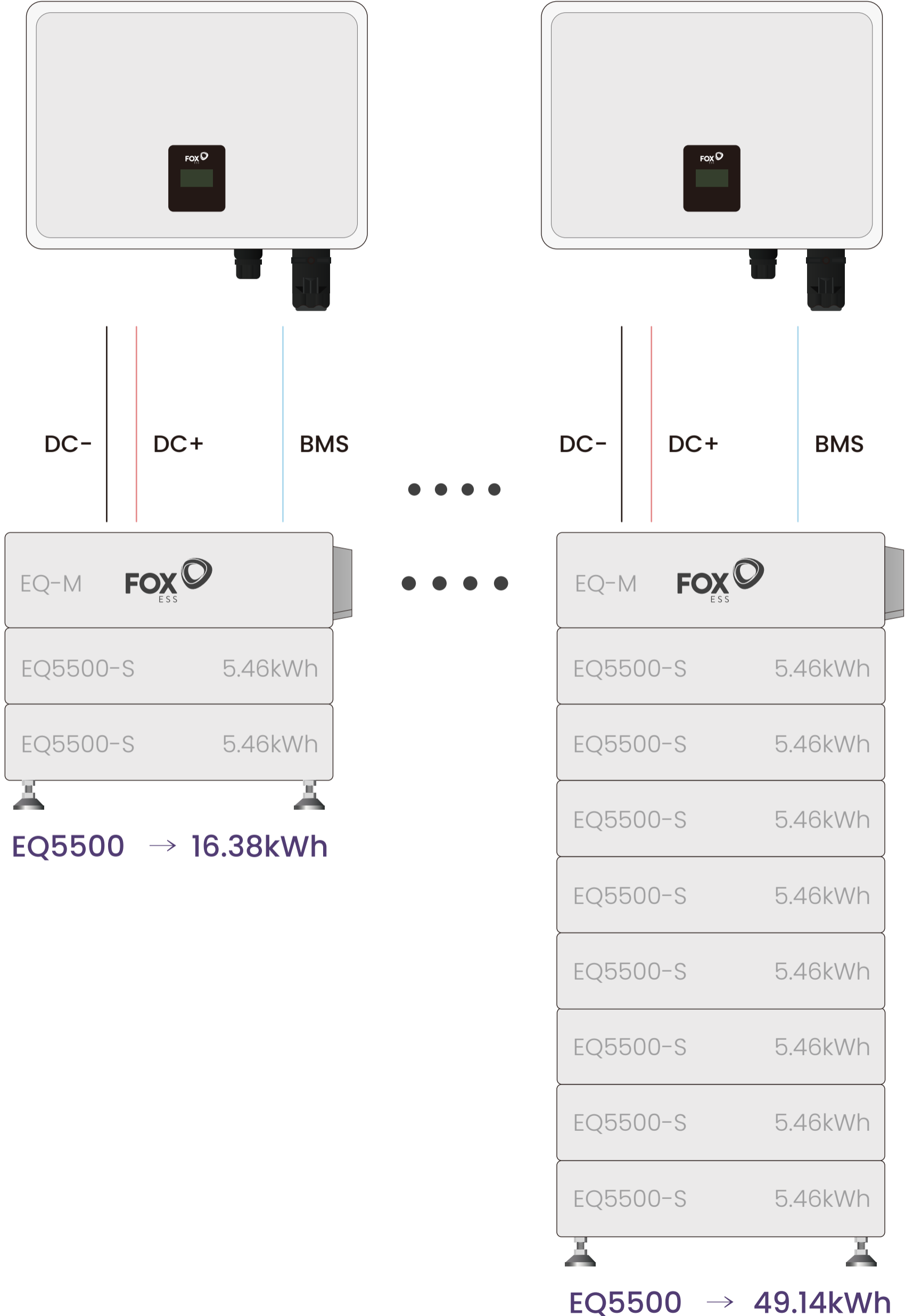
# EQ5500 + SINGLE PHASE SYSTEM

KH(7~10.5kW)



# EQ5500 + THREE PHASE SYSTEM

## H3 SMART(5~15kW)





EQ5500 Series (Max 50A charge/ discharge):	Inverter Rated Output Power	Inverter Max Charge/Discharge Current	EQ5500-L2	EQ5500-L3	EQ5500-L4	EQ5500-L5	EQ5500-L6	EQ5500-L7	EQ5500-L8	EQ5500-L9
			1x EQ5500-M 1x EQ5500-S	1x EQ5500-M 2x EQ5500-S	1x EQ5500-M 3x EQ5500-S	1x EQ5500-M 4x EQ5500-S	1x EQ5500-M 5x EQ5500-S	1x EQ5500-M 6x EQ5500-S	1x EQ5500-M 7x EQ5500-S	1x EQ5500-M 8x EQ5500-S
Battery Capacity	-	-	10.92kWh	16.38kWh	21.84kWh	27.30kWh	32.76kWh	38.22kWh	43.86kWh	49.14kWh
Battery Rated Charge/ Discharge Power	-	-	4.48kW	6.72kW	8.96kW	11.20kW	13.44kW	15.68kW	17.92kW	20.16kW
HI-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	Yes Max. 3kW	Yes Max. 3kW
HI-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	Yes Max. 3.7kW	Yes Max. 3.7kW
HI-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	Yes Max. 4.6kW	Yes Max. 4.6kW
HI-5.0-E-G2 / AC1-5.0-E-G2	5kW	40A	Yes* Max. 4.48kW	Yes Max. 5kW	Yes Max. 5kW	Yes Max. 5kW	Yes Max. 5kW	Yes Max. 5kW	Yes Max. 5kW	Yes Max. 5kW
HI-6.0-E-G2 / AC1-6.0-E-G2	6kW	40A	Yes* Max. 4.48kW	Yes Max. 6kW	Yes Max. 6kW	Yes Max. 6kW	Yes Max. 6kW	Yes Max. 6kW	Yes Max. 6kW	Yes Max. 6kW
KH7 / KA7	7kW	50A	Yes* Max. 4.48kW	Yes* Max. 6.72kW	Yes Max. 7kW	Yes Max. 7kW	Yes Max. 7kW	Yes Max. 7kW	Yes Max. 7kW	Yes Max. 7kW
KH8 / KA8	8kW	50A	Yes* Max. 4.48kW	Yes* Max. 6.72kW	Yes Max. 8kW	Yes Max. 8kW	Yes Max. 8kW	Yes Max. 8kW	Yes Max. 8kW	Yes Max. 8kW
KH9 / KA9	9kW	50A	Yes* Max. 4.48kW	Yes* Max. 6.72kW	Yes* Max. 8.96kW	Yes Max. 9kW	Yes Max. 9kW	Yes Max. 9kW	Yes Max. 9kW	Yes Max. 9kW
KH9.9/KA9.9	9.9kW	50A	Yes* Max. 4.48kW	Yes* Max. 6.72kW	Yes* Max. 8.96kW	Yes Max. 10kW	Yes Max. 10kW	Yes Max. 10kW	Yes Max. 10kW	Yes Max. 10kW
KH10 / KA10	10kW	50A	Yes* Max. 4.48kW	Yes* Max. 6.72kW	Yes* Max. 8.96kW	Yes Max. 10kW	Yes Max. 10kW	Yes Max. 10kW	Yes Max. 10kW	Yes Max. 10kW
KH10.5/KA10.5	10.5kW	50A	Yes* Max. 4.48kW	Yes* Max. 6.72kW	Yes* Max. 8.96kW	Yes Max. 10.5kW	Yes Max. 10.5kW	Yes Max. 10.5kW	Yes Max. 10.5kW	Yes Max. 10.5kW
H3-5.0-Smart	5kW	50A	No	Yes Max. 5kW	Yes Max. 5kW	Yes Max. 5kW	Yes Max. 5kW	Yes Max. 5kW	Yes Max. 5kW	Yes Max. 5kW
H3-6.0-Smart	6kW	50A	No	Yes Max. 6kW	Yes Max. 6kW	Yes Max. 6kW	Yes Max. 6kW	Yes Max. 6kW	Yes Max. 6kW	Yes Max. 6kW
H3-8.0-Smart	8kW	50A	No	Yes* Max. 6.72kW	Yes Max. 8kW	Yes Max. 8kW	Yes Max. 8kW	Yes Max. 8kW	Yes Max. 8kW	Yes Max. 8kW
H3-9.9-Smart	9.9kW	50A	No	Yes* Max. 6.72kW	Yes* Max. 8.96kW	Yes Max. 08kW	Yes Max. 09kW	Yes Max. 10kW	Yes Max. 10kW	Yes Max. 10kW
H3-10.0-Smart	10kW	50A	No	Yes* Max. 6.72kW	Yes* Max. 8.96kW	Yes Max. 08kW	Yes Max. 09kW	Yes Max. 10kW	Yes Max. 10kW	Yes Max. 10kW
H3-12.0-Smart	12kW	50A	No	Yes* Max. 6.72kW	Yes* Max. 8.96kW	Yes* Max. 11.2kW	Yes Max. 12kW	Yes Max. 12kW	Yes Max. 12kW	Yes Max. 12kW
H3-15.0-Smart	15kW	50A	No	Yes* Max. 6.72kW	Yes* Max. 8.96kW	Yes* Max. 11.2kW	Yes* Max. 13.44kW	Yes Max. 15kW	Yes Max. 15kW	Yes Max. 15kW
H3-15.0-Pro	15kW	50A (single battery port 25kW limit)	No	No	Yes* Max. 8.96kW	Yes* Max. 11.2kW	Yes* Max. 13.44kW	Yes Max. 15kW	Yes Max. 15kW	Yes Max. 15kW
		50A + 50A	No	No	Yes Max. 15kW	Yes Max. 15kW	Yes Max. 15kW	Yes Max. 15kW	Yes Max. 15kW	Yes Max. 15kW
H3-20.0-Pro	20kW	50A (single battery port 25kW limit)	No	No	Yes* Max. 8.96kW	Yes* Max. 11.2kW	Yes* Max. 13.44kW	Yes* Max. 15.68kW	Yes* Max. 17.92kW	Yes Max. 20kW
		50A + 50A	No	No	Yes* Max. 17.92kW	Yes Max. 20kW	Yes Max. 20kW	Yes Max. 20kW	Yes Max. 20kW	Yes Max. 20kW
H3-25.0-Pro	25kW	50A (single battery port 25kW limit)	No	No	Yes* Max. 8.96kW	Yes* Max. 11.2kW	Yes* Max. 13.44kW	Yes* Max. 15.68kW	Yes* Max. 17.92kW	Yes* Max. 20.16kW
		50A + 50A	No	No	Yes* Max. 17.92kW	Yes* Max. 22.4kW	Yes Max. 25kW	Yes Max. 25kW	Yes Max. 25kW	Yes Max. 25kW
H3-29.9-Pro	29.9kW	50A (single battery port 25kW limit)	No	No	Yes* Max. 8.96kW	Yes* Max. 11.2kW	Yes* Max. 13.44kW	Yes* Max. 15.68kW	Yes* Max. 17.92kW	Yes* Max. 20.16kW
		50A + 50A	No	No	Yes* Max. 17.92kW	Yes* Max. 22.4kW	Yes* Max. 26.88kW	Yes Max. 29.9kW	Yes Max. 29.9kW	Yes Max. 29.9kW
H3-30.0-Pro	30kW	50A (single battery port 25kW limit)	No	No	Yes* Max. 8.96kW	Yes* Max. 11.2kW	Yes* Max. 13.44kW	Yes* Max. 15.68kW	Yes* Max. 17.92kW	Yes* Max. 20.16kW
		50A + 50A	No	No	Yes* Max. 17.92kW	Yes* Max. 22.4kW	Yes* Max. 26.88kW	Yes Max. 30kW	Yes Max. 30kW	Yes Max. 30kW

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

No	Not permitted. Voltages are outside of inverters 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 inverters 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 derate to meet loads only in an outage, or be supplemented from the grid in normal use. Please refer to the product manuals for further information.

**DC cable sizing:**

**EQ series:** 10-16 mm<sup>2</sup> (max 50A charge/discharge, and battery breaker size for overcurrent protection is 63A); Battery cable crimping guide can be found separately, and appropriate standards and regulations must be followed.