

SYSTEM PACKAGE DATA SHEET

Package 2: Fox ESS H3 Smart + CQ7

Fox ESS 10 kW Hybrid Inverter + 48.72 kWh CQ7 - preliminary battery package reference for Australian residential or light-commercial applications.



Package configuration

7 x 6.96 kWh CQ7 battery modules comprising 1 CQ7 master and 6 CQ7 slave modules.

Hybrid inverter: H3-10.0-Smart
Battery system: CQ7-L7 (1 master + 6 slave modules)

Perfect for: Homes needing substantial battery capacity, three-phase backup and advanced FoxCloud monitoring.

48.72 kWh	48.72 kWh	10.0 kW	Three-phase
Nominal storage	Usable / reference	Inverter rating	Grid phase

Package configuration

Component	Selected model / quantity
Battery storage	7 x 6.96 kWh CQ7 battery modules comprising 1 CQ7 master and 6 CQ7 slave modules.
Hybrid inverter	1 x H3-10.0-Smart, 10.0 kW three-phase
Monitoring	Manufacturer app / portal, subject to communications hardware and internet connection
System type	Hybrid battery energy-storage package; PV array is not included in this package sheet
Final scope	Backup circuits, metering, gateway, protection, cable route and switchboard works are site dependent

Capacity reconciliation and important correction

IMPORTANT TECHNICAL NOTE

The correct calculation is 7 modules x 6.96 kWh = 48.72 kWh. It is not 7 batteries of 48.72 kWh each.

Final compatibility, approved-product status, firmware, battery quantity, protection, installation clearances and backup design must be confirmed against current manufacturer instructions before quotation and procurement.

1. BATTERY STORAGE SYSTEM

CQ7-L7 (1 master + 6 slave modules)

Technical values below are consolidated from the referenced manufacturer datasheet and package capacity calculations.

Battery parameter	CQ7-L7 reference value
Chemistry	LFP (LiFePO4)
Module energy	6.96 kWh nominal and usable per module
Architecture	1 CQ7-M master + 6 CQ7-S slave modules
Package energy	48.72 kWh nominal / 48.72 kWh usable
Nominal voltage	403.2 V
Operating voltage	Within CQ7 system range 104.4-919.8 V
Nominal power	32.26 kW battery-stack rating; actual system power is inverter limited
Max. charge / discharge current	80 A (temperature, cell voltage and SOC dependent)
Depth of discharge	100%
Round-trip efficiency	>95% at manufacturer test conditions
Dimensions	Approx. 660 x 360 x 1195 mm
Weight	Approx. 358.0 kg (+/-5%)
Ingress protection / fire protection	IP65 / integrated fire-protection function
Communication	CAN
Standards	IEC 62619, IEC 61000-6 series, UN38.3

Capacity and architecture review

Item	Package interpretation
Nominal storage	48.72 kWh
Usable / reference storage	48.72 kWh
Battery arrangement	7 x 6.96 kWh CQ7 battery modules comprising 1 CQ7 master and 6 CQ7 slave modules.
System limitation	Maximum AC output and charging/discharging are limited by the selected inverter, BMS, settings and operating conditions.

Battery installation considerations

- Confirm the exact battery model suffix, matching master/control module and compatible firmware before ordering.
- Maintain manufacturer clearances, floor or wall loading limits, restricted-location requirements and suitable mechanical protection.
- Provide compliant isolation, overcurrent protection, earthing, communications and emergency shutdown labelling.
- Battery installation location, combustible-surface treatment, bollards and smoke-alarm requirements are subject to site conditions and current Australian Standards.
- Register the product and retain serial numbers, commissioning data, photos and customer handover documentation.

Full manufacturer source links are provided on the final page of this package data sheet.

2. HYBRID INVERTER AND PACKAGE COMPATIBILITY

H3-10.0-Smart

Reference inverter data and package-level compatibility review.

Inverter parameter	H3-10.0-Smart reference value
Type / phase	Three-phase hybrid inverter
Nominal AC power	10,000 W
Maximum apparent AC power	11,000 VA
Battery voltage range	100-800 V
Max. battery charge / discharge current	50 A
EPS output	10,000 VA continuous; 12,000 VA peak for 60 seconds
EPS switch time	<10 ms
Maximum efficiency	97.9%
Ingress protection	IP65
Dimensions / weight	600 x 450 x 226 mm / 34 kg
Monitoring	FoxCloud 2.0 app and web portal
Communication	Ethernet, RS485, Wi-Fi/LAN/Bluetooth, optional 4G, CAN BMS

Compatibility review

Compatibility check	Assessment
Battery voltage	CQ7-L7 nominal voltage 403.2 V is within the H3 Smart battery range of 100-800 V.
Battery power	The stack can supply more power than the inverter AC rating; usable output remains limited by inverter, settings and backup design.
System identity	Use one master and six slave modules of the same CQ7 variant; do not mix incompatible standard and heated variants.
Backup	Final whole-home or essential-load configuration depends on switchboard, network supply and phase loading.

Indicative installation and handover scope

Function	Expected scope	Site-dependent confirmation
Battery mounting	Approved support, clearances and mechanical protection	Wall/floor construction, restricted locations, weather exposure and access
AC and switchboard works	Dedicated protection, isolation, earthing and compliant connection	Available capacity, mains size, phase arrangement and switchboard upgrade
Backup arrangement	Essential-load or whole-home backup configuration	Load assessment, phase balance, neutral arrangement, bypass and generator interaction
Metering and controls	Compatible meter/CT/gateway and energy-management setup	Cable route, communications and network/export requirements
Commissioning	Firmware, operating mode, protection settings, app setup and functional tests	Customer tariff, export limit, reserve SOC and backup priorities
Handover	Serials, shutdown procedure, monitoring access and warranty registration	Final manufacturer and regulatory documentation

Inverter source: Fox ESS H3 Smart Three-Phase Hybrid Inverter datasheet, V2.0 (2026-06-05).
[Open manufacturer inverter document](#)

3. SOURCES, WARRANTY AND COMPLIANCE NOTES

Package 2: Fox ESS H3 Smart + CQ7

This package sheet consolidates selected technical information for preliminary design and customer presentation. The latest manufacturer documentation remains authoritative.

Reference documents

Component	Reference document	Official / reference link
Battery	Fox ESS CQ7 High Voltage Storage Battery datasheet, AU V1.2 (2026-05-14).	Open battery source
Hybrid inverter	Fox ESS H3 Smart Three-Phase Hybrid Inverter datasheet, V2.0 (2026-06-05).	Open inverter source

Final pre-quotation and procurement checklist

Check	Required confirmation
Exact product identity	Full model suffix, master/slave or control-module quantities, current firmware and Australian approved-product listing.
System compatibility	Battery voltage, charge/discharge current, capacity limits, parallel architecture, communication protocol and manufacturer compatibility statement.
Site and network	Service phase, mains capacity, switchboard condition, backup load schedule, export restrictions and distributor requirements.
Safety and location	Clearances, restricted locations, fire separation, mechanical protection, smoke alarms, ventilation and environmental rating.
Protection and cabling	Battery/AC isolation, overcurrent protection, fault current, cable sizing, voltage drop, earthing, labels and shutdown procedure.
Warranty and registration	Current Australian warranty terms, commissioning records, serial numbers, internet registration and maintenance requirements.

Warranty wording

Warranty duration and usable-energy retention depend on the exact product model, registration, operating conditions, installation method and manufacturer policy applying in Australia at the date of supply. Warranty terms must be confirmed before they are included in a customer quotation.

Technical and commercial disclaimer

This consolidated package sheet is a preliminary technical and marketing-support document. It is not a construction drawing, final battery compatibility approval, network approval or substitute for current installation manuals. Final equipment models, battery quantities, voltage architecture, protection, cable sizing, backup loads, switchboard modifications, clearances, warranty terms and approved-product status must be confirmed following site inspection and before procurement. Installation must comply with applicable Australian Standards, distributor requirements, manufacturer instructions and local regulations. Specifications can change without notice.

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