

FCHAO external LCD remote control panel

Third-party quick start and compatibility record



Catalogue photograph for offer #40. It is used for identification only, not as a documentation source.

Catalogue product	Offer #40 - external display/control for FCHAO inverters
Visible marking	LCD Multi-Function Display
Controls	LCD monitor and ON/OFF push button
Catalogue cable	3 m flat control cable
Confirmed source family	FCHAO KSC pure sine wave inverters with a matching remote-control port
Document class	Researcher-created third-party quick start; not an original FCHAO publication
Research snapshot	23 July 2026

No standalone FCHAO part number, wiring diagram, pinout or manufacturer-issued manual was found for this panel. The exact panel appearance and 3 m cable match the FCHAO KSC remote-control material published by Manuals+. A separate 21-page FCHAO PSC/KSC inverter manual copy confirms remote connectors on several inverter families, but it does not define one universal panel or cable pinout.

This panel must not be treated as universally compatible with every FCHAO inverter. Confirm the inverter series, its remote-control port, supplied cable and firmware before connection.

1. Identification and evidence

Evidence	Catalogue offer #40	FCHAO source material
Brand	FCHAO in title and description	FCHAO is named on both third-party manual pages
Panel face	Black rectangular LCD; ON/OFF button	Matching intelligent LCD remote-control panel
Screen fields	Battery voltage, battery icon, AC voltage, power, fan, temperature and warnings	Battery voltage/capacity, output voltage/power, temperature and warnings
Cable	3 m flat control cable	3 m control-panel cable included with the documented KSC inverters
Connection	Rear cable socket visible in catalogue collage	Remote-control port on inverter and corresponding port on panel
Panel size	Not stored in the catalogue	13.5 x 9.7 cm stated for the KSC-3000W source
Applicability	Exact visual and functional match	Confirmed for the documented KSC family; other series require separate verification

The Manuals+ family page lists models KSC-1500W, KSC-2500W, KSC-3000W and KSC-3500W and describes a remote LCD panel, ON/OFF control, a 3 m cable and a remote-control port. Its KSC-3000W page gives the same panel size and functions. Manuals+ identifies itself as an independent publication unaffiliated with the trademark owners.

A connector that resembles RJ45 does not prove Ethernet wiring. Do not substitute a network cable, assume straight-through wiring, probe live pins or connect the panel to unrelated equipment.

2. Conservative quick start

Use these steps only after the actual inverter has been identified as a compatible FCHAO model and its own documentation or supplier confirms use of this panel and cable.

1. Power down	Disconnect AC loads. Turn the inverter off and isolate its DC supply before attaching or removing the control cable.
2. Inspect	Check both sockets, plugs, locking tabs and cable for bent contacts, corrosion or damage. Use only the supplied or specifically approved cable.
3. Verify	Confirm the exact inverter series and remote-control port. Do not infer compatibility from the FCHAO name or connector shape alone.
4. Connect	With DC power isolated, connect one end of the approved 3 m cable to the inverter remote-control port and the other end to the panel.
5. Restore power	Reconnect the inverter according to its own manual, without AC loads. Observe the panel for normal startup and plausible readings.
6. Remote operation	The Manuals+ KSC family page instructs users to leave the inverter's main switch OFF when controlling it from this external panel. Apply this only when confirmed for the exact inverter revision.
7. Monitor	The documented fields include battery voltage/capacity, AC output voltage, output power, temperature and warning indicators. Treat the inverter's own alarms and shutdowns as authoritative.
8. Stop if abnormal	Immediately power down if the panel is blank, readings are implausible, controls do not respond, the cable heats, or the inverter alarms.

What the panel does not replace

The remote display does not replace the inverter manual, DC fuse, correctly sized battery cables, isolation procedure, ventilation requirements or electrical protection. It does not certify inverter power, voltage or battery compatibility.

Never connect or disconnect an unidentified control cable while the inverter is energised. The available sources do not provide a panel pinout, cable category or hot-plug rating.

3. Compatibility limits and source register

Source	What it establishes	Limits
Manuals+ FCHAO family page	KSC-1500W/2500W/3000W/3500W; remote panel; 3 m cable; port; display fields; remote ON/OFF procedure	Independent third-party page, not an official FCHAO publication
Manuals+ KSC-3000W page	Panel shown as 13.5 x 9.7 cm; 3 m cable; connection and monitoring functions	Only KSC-3000W is identified exactly
Banggood-hosted 21-page FCHAO manual copy	PSC1200W/1500W/1800W and KSC2000W/2500W/3000W panels include a remote connector; LCD behaviour is described	Does not identify this separate panel, cable wiring or universal compatibility
FCHAO website	Current brand website exists	The site did not expose a standalone panel manual during this research
Catalogue photo	Exact appearance, marking, button and cable variant of offer #40	Identification evidence only; not a technical-document source

Third-party family guide: manuals.plus/ae/1005007882155886

Third-party KSC-3000W guide: manuals.plus/ae/1005007082432461

Banggood-hosted FCHAO manual copy: [20241204212958FCHAOInverterManual.pdf](https://www.banggood.com/20241204212958FCHAOInverterManual.pdf)

FCHAO website: fchaoinverter.com

Unresolved before publication

Obtain the panel part number, supported inverter series and revisions, connector pinout, approved cable specification, hot-plug rule, mounting dimensions and manufacturer-issued instructions. Until then this document must remain a draft and must not imply compatibility with every FCHAO inverter.

Archive method: offer #40 was checked individually by catalogue title, stored description and photograph. The source pages and the existing FCHAO inverter manual were compared only for this panel. No document from vanlifefabrika.ru or its dev domain was used as a documentation source.