



Consumer unit M · PV + EV · door: oak

Single-family house up to about 150 m² (usually single-storey), with solar PV and an EV charger in one board.

PLN 8,966.70

incl. 23% VAT · PLN 7,290.00 excl. VAT · excluding delivery

Size	Size M — single-family house up to approx. 150 m², about 16 circuits
Enclosure	72-module enclosure — room for the inverter, home battery and EV charger; one size up from the Standard version (48 modules), same number of circuits

Some items have a preliminary price (new in our range) — we will confirm it when we check your order.

16 circuits in 3 groups of 4-pole Type A RCDs (30 mA), induction hob on a 3-phase circuit, T1+T2 surge protection. Solar PV (inverter section, DC combiner box, battery section) and an 11 kW charger with a Type B RCD. 72-module enclosure (4 rows × 18) — room for the inverter, home battery and EV charger; one size up from the Standard version (48 modules), same number of circuits. Devices take 51 — 29% spare.

MOUNTING AND DIMENSIONS

Mounting	surface-mounted — enclosure on the wall
Enclosure dimensions	565 × 750 × 151 mm (W × H × D)

Approximate dimensions — we confirm them against the data sheet of the selected enclosure in the order confirmation (before you cut the recess).

CONTENTS

72-module enclosure · 4 rows · devices take 51

Main switch, surge protection device, phase indicators, N/PE terminal bars	8 mod.
4-pole Type A residual current devices (RCDs) × 3 (circuit groups)	12 mod.
Circuit breakers (MCBs) × 16 (sockets, lighting, appliances; induction hob — 3-phase)	18 mod.
Door: oak	—
Solar PV — inverter AC section	3 mod.
Solar PV — DC combiner box, 2 MPPT — separate enclosure: Solar PV — DC combiner box, 2 MPPT — IP65	—
Home battery — battery / hybrid inverter section	3 mod.
EV charging — 11 kW	7 mod.
Type B RCD for the charger	—

SPECIFICATIONS

Door: **Oak — Wood-effect veneer in natural oak.**

DIN modules: **51 used of 72 (spare 21)**

Circuits: **16 (max. 30 in this enclosure)**

Residual current devices (RCDs): **3 × 4-pole 40 A, 30 mA, Type A — circuits split into groups**

Surge protection device (SPD): **T1+T2**

Lead time: 5–10 working days from receipt of the deposit.

Included: wiring diagram, circuit chart, test report, EU declaration of conformity, 24-month warranty. Built to EN 61439-3 (PN-EN 61439-3). Technical documents are issued in Polish.

<https://svalcon.co.uk/products/m-pv-ev>



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CIRCUITS AND RCD GROUPS

Typical set of circuits for this size (board model shared by the shop and the workshop). Cable sizes are indicative — selected by length and installation method.

Circuit names and the diagram are in Polish.

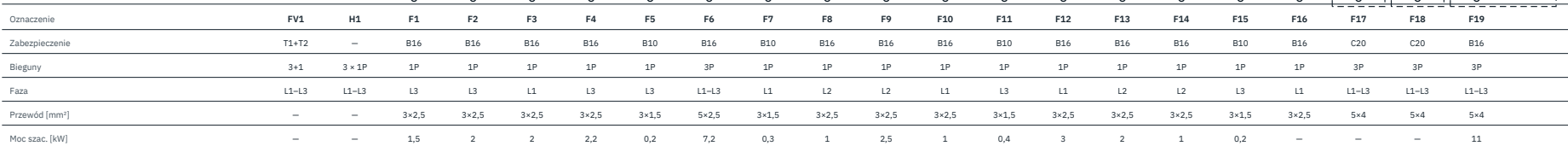
Ref.	Circuit / load	Protection	Poles	Phase	Cable	RCD
F1	Gniazda — salon	B16	1P	L3	3×2,5	Q1
F2	Gniazda — kuchnia (blat)	B16	1P	L3	3×2,5	Q1
F3	Łazienka — gniazda	B16	1P	L1	3×2,5	Q1
F4	Pralka	B16	1P	L3	3×2,5	Q1
F5	Oświetlenie zewnętrzne	B10	1P	L3	3×1,5	Q1
F6	Płyta indukcyjna (3-fazowa)	B16	3P	L1–L3	5×2,5	Q2
F7	Oświetlenie — sypialnie i korytarz	B10	1P	L1	3×1,5	Q2
F8	Gniazda — sypialnie	B16	1P	L2	3×2,5	Q2
F9	Suszarka	B16	1P	L2	3×2,5	Q2
F10	Gniazda zewnętrzne / ogród (IP44)	B16	1P	L1	3×2,5	Q2
F11	Oświetlenie — strefa dzienna	B10	1P	L3	3×1,5	Q3
F12	Piekarnik	B16	1P	L1	3×2,5	Q3
F13	Zmywarka	B16	1P	L2	3×2,5	Q3
F14	Gniazda — pokój / biuro	B16	1P	L2	3×2,5	Q3
F15	Oświetlenie — pomieszczenia gospodarcze	B10	1P	L3	3×1,5	Q3
F16	Rezerwa	B16	1P	L1	3×2,5	Q3
F17	Falownik PV — strona AC — Ochrona różnicowoprądowa w...	C20	3P	L1–L3	5×4	—
F18	Magazyn energii / falownik hybrydowy (przygotowanie) — ...	C20	3P	L1–L3	5×4	—
F19	Ładowarka samochodu (wallbox) 11 kW	B16	3P	L1–L3	5×4	Q4

RCD GROUPS

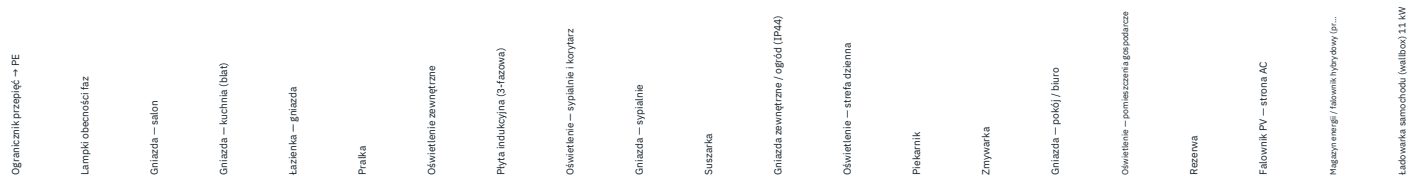
- Q1 RCD 4P 40 A 30 mA typ A: F1, F2, F3, F4, F5
- Q2 RCD 4P 40 A 30 mA typ A: F6, F7, F8, F9, F10
- Q3 RCD 4P 40 A 30 mA typ A: F11, F12, F13, F14, F15, F16
- Q4 RCD 4P 40 A 30 mA typ B (ładowarka): F19

marka wg dostępności · natynkowa · nr wzór

Zasilanie z licznika: 3/N/PE ~ 400/230 V 50 Hz · sieć TN-C-S · zabezpieczenie przedlicznikowe gG / B ≤ 32 A (typowo 25–32 A, wg warunków przyłączenia)



Odbiornik



I Skrzynka DC fotowoltaiki – osobna obudowa IP65



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Nr wzór · marka wg dostępności · obudowa — (6 × 12 mod.)

Wersja karta 2026-10-14 · 2026-10-25 · arkusz 1/1

SZKIC – do weryfikacji przez elektryka uprawnionego