



Consumer unit M · PV · flush-mounted

Single-family house up to about 150 m² (usually single-storey), with solar PV: inverter section, a box on the panel side and space for a home battery.

PLN 7,355.40

incl. 23% VAT · PLN 5,980.00 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 and home battery; 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 (AC side), a DC combiner box on the panel side and a battery section — ready for a battery. 72-module enclosure (4 rows × 18) — room for the inverter and home battery; one size up from the Standard version (48 modules), same number of circuits. Devices take 44 — 38% spare.

MOUNTING AND DIMENSIONS

Mounting	flush-mounted — back box built into the wall, frame with door
Wall opening	560 × 780 mm, depth 127 mm
Minimum wall thickness	150 mm
Frame with door (visible)	620 × 810 mm

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 44

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.
Flush-mounted enclosure (back box for building into the wall, frame with door)	—
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.

SPECIFICATIONS

DIN modules: 44 used of 72 (spare 28)	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?mounting=flush>

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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	—

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

Schemat jednokreskowy – Consumer unit M · PV · flush-mounted

marka wg dostępności · podtynkowa · nr wzór

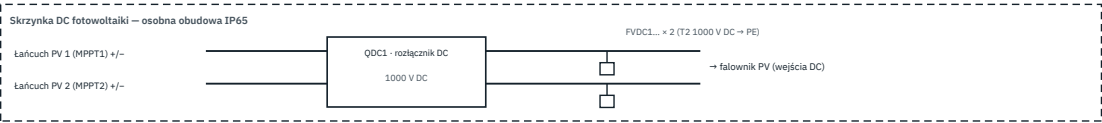
Zasilanie z licznika: 3/N/PE – 400/230 V 50 Hz · sieć TN-C-S · zabezpieczenie przedlicznikowe gG / B ≤ 32 A (typowo 25–32 A, wg warunków przyłączenia)



Oznaczenie	FV1	H1	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18
Zabezpieczenie	T1+T2	–	B16	B16	B16	B16	B10	B16	B10	B16	B16	B16	B10	B16	B16	B16	B10	B16	C20	C20
Bieguny	3+1	3 × 1P	1P	1P	1P	1P	1P	3P	1P	1P	1P	1P	1P	1P	1P	1P	1P	1P	3P	3P
Faza	L1–L3	L1–L3	L3	L3	L1	L3	L3	L1–L3	L1	L2	L2	L1	L3	L1	L2	L2	L3	L1	L1–L3	L1–L3
Przewód [mm²]	–	–	3×2,5	3×2,5	3×2,5	3×2,5	3×1,5	5×2,5	3×1,5	3×2,5	3×2,5	3×2,5	3×1,5	3×2,5	3×2,5	3×2,5	3×1,5	3×2,5	5×4	5×4
Moc szac. [kW]	–	–	1,5	2	2	2,2	0,2	7,2	0,3	1	2,5	1	0,4	3	2	1	0,2	–	–	–

Odbiornik

Ogranicznik przepięć → PE	Lampki obecności faz	Gniazda – salon	Gniazda – kuchnia (biał)	Łazienka – gniazda	Pralka	Oświetlenie zewnętrzne	Płyta indukcyjna (3-fazowa)	Oświetlenie – sypialnie i korytarz	Gniazda – sypialnie	Suszarka	Gniazda zewnętrzne / ogrody (TP44)	Oświetlenie – strefa dzienna	Piekarnik	Zmywarka	Gniazda – pokój / biuro	Oświetlenie – pomieszczenia gospodarcze	Rezerwa	Falownik PV – strona AC	Magazyn energii / falownik hybrydowy (gr...)
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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