



Consumer unit S · PV

Flat or small house up to about 80 m² with one kitchen, with solar PV: inverter section, a box on the panel side and space for a home battery.

PLN 5,854.80

incl. 23% VAT · PLN 4,760.00 excl. VAT · excluding delivery

Size	Size S — flat or small house up to approx. 80 m², about 10 circuits
Enclosure	48-module enclosure — room for the inverter and home battery; one size up from the Standard version (36 modules), same number of circuits

10 circuits in 2 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. 48-module enclosure (4 rows × 12) — room for the inverter and home battery; one size up from the Standard version (36 modules), same number of circuits. Devices take 34 — 29% spare.

MOUNTING AND DIMENSIONS

Mounting	surface-mounted — enclosure on the wall
Enclosure dimensions	336 × 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

48-module enclosure · 4 rows · devices take 34

Main switch, surge protection device, phase indicators, N/PE terminal bars	8 mod.
4-pole Type A residual current devices (RCDs) × 2 (circuit groups)	8 mod.
Circuit breakers (MCBs) × 10 (sockets, lighting, appliances; induction hob — 3-phase)	12 mod.
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: **34 used of 48 (spare 14)** Circuits: **10 (max. 18 in this enclosure)**

Residual current devices (RCDs): **2 × 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/s-pv>



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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	Oświetlenie — strefa dzienna	B10	1P	L2	3×1,5	Q1
F2	Gniazda — salon	B16	1P	L1	3×2,5	Q1
F3	Piekarnik	B16	1P	L1	3×2,5	Q1
F4	Zmywarka	B16	1P	L3	3×2,5	Q1
F5	Łazienka — gniazda	B16	1P	L2	3×2,5	Q1
F6	Gniazda — kuchnia (blat)	B16	1P	L3	3×2,5	Q2
F7	Płyta indukcyjna (3-fazowa)	B16	3P	L1–L3	5×2,5	Q2
F8	Pralka	B16	1P	L2	3×2,5	Q2
F9	Oświetlenie — sypialnie i korytarz	B10	1P	L1	3×1,5	Q2
F10	Gniazda — sypialnie	B16	1P	L3	3×2,5	Q2
F11	Falownik PV — strona AC — Ochrona różnicowoprądowa w...	C20	3P	L1–L3	5×4	—
F12	Magazyn energii / falownik hybrydowy (przygotowanie) — ...	C20	3P	L1–L3	5×4	—

RCD GROUPS

- Q1

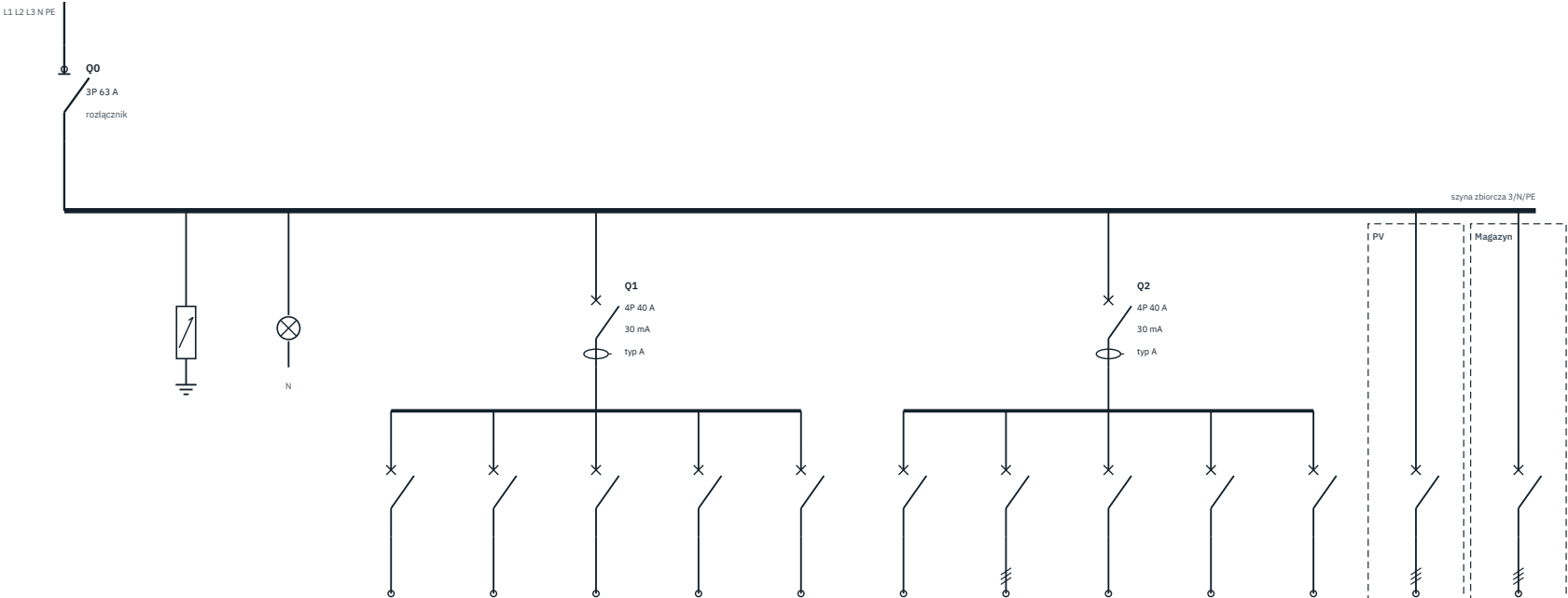
RCD 4P 40 A 30 mA typ A: F1, F2, F3, F4, F5
- Q2

RCD 4P 40 A 30 mA typ A: F6, F7, F8, F9, F10

Schemat jednokreskowy – Consumer unit S · PV

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)



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

Odbiornik

- Ogranicznik przepięć → PE
- Lampki obecności fazy
- Oświetlenie – strefa dzienna
- Gniazda – salon
- Piekarnik
- Zmywarka
- Łazienka – gniazda
- Gniazda – kuchnia (blat)
- Płyta indukcyjna (3-fazowa)
- Pralnia
- Oświetlenie – sypialnie i korytarz
- Gniazda – sypialnie
- Falownik PV – strona AC
- Magazyn energii / falownik hybrydowy (gr...)



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Nr wzór · marka wg dostępności · obudowa – (4 × 12 mod.)

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SZKIC – do weryfikacji przez elektryka uprawnionego