



# Consumer unit S · PV · door: oak

Flat or small house up to about 80 m<sup>2</sup> with one kitchen, with solar PV: inverter section, a box on the panel side and space for a home battery.

## PLN 6,420.60

incl. 23% VAT · PLN 5,220.00 excl. VAT · excluding delivery

|           |                                                                                                                                                  |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Size      | <b>Size S — flat or small house up to approx. 80 m<sup>2</sup>, about 10 circuits</b>                                                            |
| Enclosure | <b>48-module enclosure — room for the inverter and home battery; one size up from the Standard version (36 modules), same number of circuits</b> |

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

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             | <b>surface-mounted — enclosure on the wall</b> |
| Enclosure dimensions | <b>336 × 750 × 151 mm (W × H × D)</b>          |

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. |
| 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.  |

### SPECIFICATIONS

|                                                                                                     |                                              |
|-----------------------------------------------------------------------------------------------------|----------------------------------------------|
| Door: <b>Oak — Wood-effect veneer in natural oak.</b>                                               | DIN modules: <b>34 used of 48 (spare 14)</b> |
| Circuits: <b>10 (max. 18 in this enclosure)</b>                                                     |                                              |
| Residual current devices (RCDs): <b>2 × 4-pole 40 A, 30 mA, Type A — circuits split into groups</b> |                                              |
| Surge protection device (SPD): <b>T1+T2</b>                                                         |                                              |

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

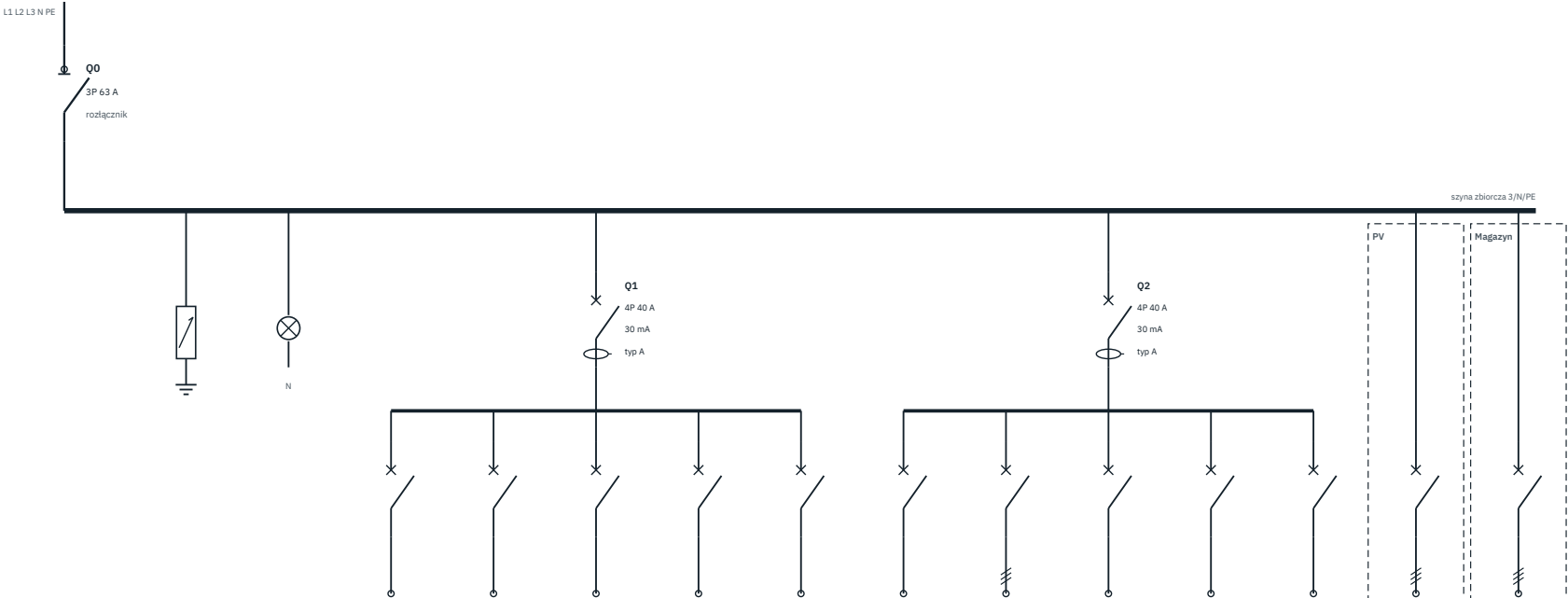
RCD 4P 40 A 30 mA typ A: F1, F2, F3, F4, F5
- Q2

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

Schemat jednokreskowy – Consumer unit S · PV · door: oak

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.)

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

SZKIC – do weryfikacji przez elektryka uprawnionego