

Solarfy Solo

455 Wp plug-in solar kit · ENA SOLAW/21640/V1 · model SFY-SOLO-455-BM

Compact plug-in solar for smaller gardens, patios and flat roofs. Delivered complete, assembled with hand tools and plugged into an ordinary RCD-protected socket. No roof work, no electrician needed for a suitable circuit.



PV POWER

455 Wp

1 × 455 W module

INVERTER OUTPUT

800 VA

Hoymiles HMS-800-2WB

FOOTPRINT

1.80 × 1.13 m

clear area 1.80 × 2.63 m

YIELD, INDICATIVE

300–400 kWh

per year, UK, south, unshaded

GRID REGISTRATION

SOLAW/21640/V1

ENA Type Test Register · G98 Fully Type Tested inverter

- ✓ Plug-in: 5 m lead with BS 1363 plug into a fixed socket
- ✓ Free-standing ballast frame, no drilling into the roof or ground
- ✓ Designed to the DESNZ Plug-in Solar Device Interim Product Specification
- ✓ App monitoring via Wi-Fi · 12-year inverter warranty

1 In the box



SUPPLIED

1 ×	PV module JA Solar JAM54D41-455/LB
1 ×	Microinverter Hoymiles HMS-800-2WB
1 ×	Kseng ballast mounting set (2 legs, M6 fixings)
1 ×	Hoymiles AC lead, 5 m, BS 1363 moulded plug, 5 A fuse
1 ×	Consumer-unit label
1 ×	Assembly & User Instructions SFY-PIS-IM-001

Optional: DC extension pair 2 m, 5 m or 10 m (Stäubli MC4-EVO2A) — for an inverter mounted on an outside wall near the socket.

Not supplied: ballast (concrete slabs or blocks), 2 × M8 stainless bolts for the inverter, UV-stable cable clips, tools.

Not eligible for Smart Export Guarantee payments at present (no MCS installation); Solarfy savings figures are based on self-consumption only. Yield figures are indicative. Specifications may change; the current instructions prevail.

2 Technical data

SYSTEM	
Model	SFY-SOLO-455-BM
ENA Type Test Register	SOLAW/21640/V1
PV power (STC)	455 Wp · 1 × 455 W module
AC output	max. 800 VA, 3.48 A · single phase · limited by one module on one input
AC connection	5 m lead · BS 1363 moulded plug · BS 1362 5 A fuse
Frame footprint · height · tilt	1.80 × 1.13 m · 0.70 m · 20°
Clear area incl. clearances	1.80 × 2.63 m
Mass · ballast (site category A / B)	approx. 32 kg · 100 kg / 160 kg
Max. height above ground · storage	3 m · none (no battery)
Indicative yield (UK, south, unshaded)	approx. 300–400 kWh a year

PV MODULE	
Model	JA Solar JAM54D41-455/LB
Type	n-type, double-glass, full black
Rated power (STC)	455 W (0 to +3 %)
Voc / Vmp	40.5 V / 33.3 V
Isc / Imp	14.42 A / 13.65 A
Efficiency	22.8 %
Size / mass	1762 × 1134 × 30 mm / 22 kg
Connectors	Stäubli MC4-EVO2A
Warranty	25 years product · 30 years linear power

MICROINVERTER	
Model	Hoymiles HMS-800-2WB
Rated AC output	800 VA · 3.48 A · 230 V, 50 Hz
MPPT inputs	2 · max. 65 V, 14 A each
Grid compliance	ENA EREC G98, Fully Type Tested
Type test report	TRP-26082101
Protection / cooling	IP67 / natural convection
Monitoring	Wi-Fi 2.4 GHz and Bluetooth · Hoymiles S-Miles app
Warranty	12 years (Hoymiles)

MOUNTING SYSTEM	
Model	Kseng ballast mount, Zn-Al-Mg coated steel
Type	Free-standing, non-penetrating, 20° fixed
Fixing	Ballast only · 4 pads per module
Design loads	30 m/s wind · 1 kN/m ² snow
Certification	TÜV Rheinland · CE
Warranty	12 years

3 Installation and compliance

INSTALLATION IN BRIEF

- ✓ Garden, lawn, gravel or flat roof (structure to carry approx. 190 kg on roughly 2 m²; 2 m from roof edges)
- ✓ Socket circuit with working RCD/RCBO; one plug-in device per household
- ✓ Inverter outdoors: on the frame, or on an outside wall via DC extensions
- ✓ Household registers the kit at myplugin.solar within 28 days

Full conditions: Installation Requirements SFY-PIS-IR-001 and Assembly & User Instructions SFY-PIS-IM-001.

COMPLIANCE AND DOCUMENTS

- ENA Type Test Register: SOLAW/21640/V1
- Inverter: ENA G98 Fully Type Tested, report TRP-26082101; UKCA/CE
- Module: IEC 61215 / IEC 61730 · Mount: TÜV Rheinland, CE
- DESNZ Plug-in Solar Device Interim Product Specification · SI 2026/848 · BS 7671:2018+A4:2026
- Signed declaration of conformity and test reports on request