

920 W — 2 Panels + Mounting Kit

Complete plug-in solar device · Model 90012

Generate your own solar power from a standard plug
no professional installation, no application to wait for.

2×

460 W
Panel

1×

800 W
Inverter

LEAD:

3M · 5M · 10M

Product Features

800 VA plug-in output

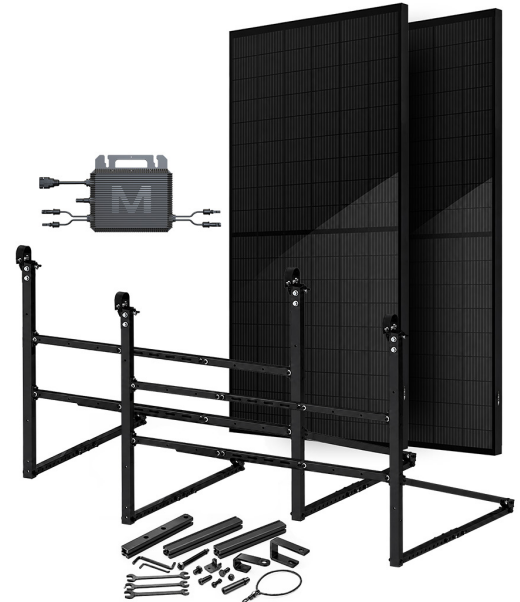
Connect & notify (G98)
no electrician

N-type bifacial glass
glass panels

Wi-Fi app monitoring

IP67 waterproof inverter

920 W — stays under the
960 W assessment threshold



How it works — 4 steps

Unbox
Carefully unbox your kit.
CAUTION: heavy contents,
take care lifting.

Set Up
Position the panels in a sunny,
ideally south-facing spot; make sure
they are stable and secure.

Plug In
Plug into a standard socket &
start generating clean energy.

Connect
Download the app and connect the
inverter for live performance updates.

Panel specifications (2 × OSDA ODA460-24V-MHDBRz)	
Peak Power P _{Max}	920 W (2 × 460 W)
Module Efficiency	23.01%
Cell Type	N-type Monocrystalline (half-cell)
Cell Configuration	96 cells per panel / 192 total
Dimensions	3524 (1762 × 2) × 1134 × 30 mm
Weight	24.7 kg per panel / 49.4 kg panels only
Frame	30 mm anodised aluminium alloy (black)
Front Glass	2.0 mm AR-coated tempered glass
Back Glass	2.0 mm glazed glass (bifacial)
Junction Box	IP68 rated
Maximum System Voltage	1500 V DC
Maximum Fuse Rating	28 A

Microinverter specifications (Marstek MST-MI0800W)	
Maximum Continuous Output	800 VA
MPPT Channels	2 independent MPPTs
Recommended Module Input	320 – 540 W per input
Peak Efficiency	96.5%
Communication	Built-in Wi-Fi (Power Zero app)
Protection Rating	IP67
AC Output Voltage	230 V (180 – 275 V)
AC Output Frequency	50 Hz (45 – 55 Hz)
Maximum Output Current	3.48 A
Operating Temperature	–40°C to +65°C
Anti-islanding protection	Yes (G98)
Monitoring	Smartphone app
AC connection lead	3m, 5m or 10m (choose at purchase) BS 1363 plug + BS 1362 5A fuse

Electrical performance (STC, per panel)			
Voltage at P _{max} (V _{mp})	29.47 V	Open Circuit Voltage (V _{oc})	34.67 V
Current at P _{max} (I _{mp})	15.60 A	Short Circuit Current (I _{sc})	16.58 A
Bifacial output	up to 510 W	Operating Temperature	–40°C to +85°C
Temp coefficient (P _{max})	–0.290%/°C	Fire Rating	Class A



COMPLIANCE

Manufacturer: PowerXpress Ltd, Unit 1 Kelpatrick Road, Slough SL1 6BW · contact@powerxpress.com
Model 90012 | 230 V · 50 Hz · ≤ 3.5 A · ≤ 800 VA | IP67 · Class I
Maximum one plug-in solar device (≤ 800 VA) per household circuit.
Notification to the DNO on connection and disconnection is mandatory.
Complies with the UK Plug-in Solar Device Interim Product Specification v2.0.
ENA System Reference: POWEZA/21077/V1

920 W — 2 Panels + Mounting Kit

PowerXpress Plug-in Solar 920W 2 Panels + Mounting Kit — 90012

Product Features



x2 460W high-efficiency panels



Connect & notify (G98) no electrician



IP67 waterproof inverter



N-type bifacial glass technology



Wi-Fi app monitoring



Anti-islanding protection

2x

460 W
Panel

1x

800 W
Inverter

How your kit arrives — unpacking & handling

Delivered on one pallet — panels stood upright, components boxed at the base. Two-person unpacking; see the enclosed Start Here card and the online guide.

— SOLAR PANEL KIT — UNPACKING & HANDLING INSTRUCTIONS —

1



YOUR PACKAGED KIT

Your kit arrives on one pallet: panels stood upright, protected with cardboard and plastic wrap, with the boxes at the base.

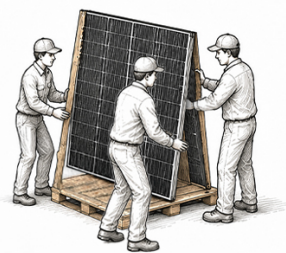
2



CUT THE WRAPPING

Carefully cut the plastic wrap and straps to open the package.

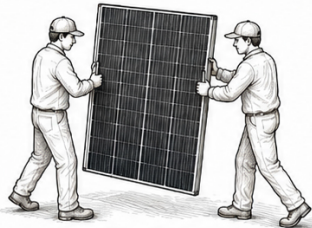
3



SEPARATE THE FIRST PANEL

Two people lift one panel out, while a third person holds the other panel steady on the pallet.

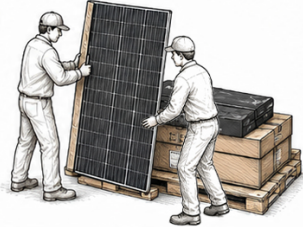
4



MOVE THE FIRST PANEL

Lay the provided cardboard flat on the floor. Two people carry the panel and rest it on the cardboard not on bare or rough ground.

5



REMOVE THE SECOND PANEL

Two people carefully lift out the second panel and rest it on the cardboard too.

6



KIT COMPONENTS

The mounting kits and the Marstek inverter box remain on the pallet. Take these to complete your kit.



IMPORTANT



Always lift and move panels with two people.



Wear gloves avoid injury & fingerprints on the glass.



Do not rest panels on sharp or hard edges.



Keep panels dry and out of direct sunlight.



Store all components in a safe, secure area.

Key standards & compliance

Conforms to: BS EN 50549-1 · BS EN IEC 62109-1 / -2 · BS EN IEC 61215 · BS EN IEC 61730-1 / -2 · BS 1363-1 / BS 1362 · ENA EREC G98 (Issue 2 Amendment 1)

Regulations: Electrical Equipment (Safety) 2016 · EMC 2016 · RoHS 2012 · WEEE 2013 · UK Plug-in Solar Device Interim Product Specification v2.0

Marks strip + ENA reference

Marks: UKCA · CE · WEEE crossed-bin · RoHS

ENA System Reference: POWEZA/21077/V1

Warranty



Manufacturer: PowerXpress Ltd, Unit 1 Kelpatrick Road, Slough SL1 6BW · contact@powerxpress.com · Declaration of Compliance PXP-DoC-90012. Specifications, features and appearance may change without notice. Performance varies with location, season, weather, shading, installation angle and orientation. Panels should face south where possible, ideally at ~35° tilt; avoid shading. Install per the supplied manual, ENA EREC G98 and BS 7671. Do not use damaged cables, plugs or connectors. Maximum one plug-in solar device (≤ 800 VA) per household. Notify your DNO on connection and disconnection (free, G98). Complies with the UK Plug-in Solar Device Interim Product Specification v2.0. Dispose of at end of life via separate collection (WEEE, crossed-bin symbol). · v1.0 · [insert month/year]