

DEYE DWGA21-ACDCBLW-12KR2(EU) 3,5 kW AC/DC (On/Off Grid)

Product code: klimatyzatory.deye.3,5kW.1



DEYE DWGA21-ACDCBLW-12KR2(EU) – Hybrid 3.5 kW Air Conditioner Powered by AC/DC from Grid or Photovoltaic Installation

The DEYE DWGA21-ACDCBLW-12KR2(EU) is a modern split-type air conditioner with a capacity of 3.5 kW, designed to operate from both the power grid and directly from a photovoltaic (PV) installation. The unit can function in both on-grid and off-grid modes, making it an ideal solution for homes and commercial buildings equipped with solar systems. Thanks to AC/DC hybrid technology, the air conditioner automatically switches between power sources, ensuring maximum energy efficiency and real cost savings.

Product variants

Index	Price
DEYE DWGA21-ACDCBLW-12KR2(EU) 3,5 kW AC/DC (On/Off Grid) klimatyzatory.deye.3,5kW.1	Product prices only visible after login. If you do not have an account, please register.

Product description

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Key Benefits of DEYE DWGA21-ACDCBLW-12KR2(EU):

- Direct PV Power Supply (80–380 V DC) – The unit can operate solely on solar energy, even without an energy storage system.
- Hybrid AC/DC Mode – Smart switching between the power grid and the photovoltaic system without interruption.
- High Cooling and Heating Efficiency – Energy-efficient operation while maintaining full user comfort.
- Modern Split Design – Separate indoor and outdoor units ensure quiet operation and aesthetic integration.
- Off-grid Capability – Ideal for buildings with limited access to the power grid.
- Supports R32 Refrigerant – Environmentally friendly with a low Global Warming Potential (GWP).

Technical Specifications:

Model: DWGA21-ACDCBLW-12KR2(EU)
Device Type: Split-type hybrid air conditioner (AC/DC)

Power Supply Parameters:

- Solar Input (DC): 80–380 V
- Grid Input (AC): 208–240 V / 50–60 Hz

Performance Parameters:

- Cooling Capacity (T1): 3500 W (range 800–3900 W)
- Cooling Power Input (T1): 860 W (150–1100 W)
- Heating Capacity (T1): 3700 W (900–3900 W)
- Heating Power Input (T1): 870 W (150–1200 W)
- EER (Cooling Efficiency): 3.70 / 12.50

Dimensions and Weight:

- Indoor Unit (W × H × D): 840 × 205 × 295 mm
- Outdoor Unit: 802 × 554 × 323 mm
- Packaging Dimensions (Indoor/Outdoor): 920 × 290 × 360 mm / 910 × 622 × 405 mm

Other Features:

- Refrigerant: R32
- Operating Modes: Cooling / Heating / Auto
- Protection Rating: IP (suitable for residential use)
- Efficient Solar-Powered Cooling and Heating

The DEYE DWGA21-ACDCBLW-12KR2(EU) offers the perfect combination of comfort, energy efficiency, and modern technology. With the ability to operate exclusively on solar energy, it is a future-ready solution for those who value energy independence and low operating costs. It’s a great fit for passive houses, offices, modular homes, and vacation cottages.

