Hartwell Air 12K BTU Solar-Hybrid Window Air Conditioner

Model HWA-12K-WIN | 12,000 BTU/h | AC + Solar DC Input

Single-package window unit that runs on standard 115V grid power and accepts direct DC solar input to reduce grid electricity use during sunlight hours.

COOLING PERFORMANCE

Nominal Cooling Capacity	**12,000 BTU/h**
Cooling Capacity Range	**2,500 – 12,000 BTU/h**
Rated Input Power (AC)	**1,150 W**
Rated Current (AC)	**10.2 A**
EER	**10.4 BTU/W**
Moisture Removal	**2.65 pt/hr**

ELECTRICAL — AC

Rated Voltage	**115V~ / 60Hz**
Rated Current (AC)	**10.2 A**
Total Input Current (AC)	**12 A**
Compressor Inverter Input	**11.5 A**
Fan Motor (MOC / HP)	**1.2 A / 0.1 HP**

ELECTRICAL — SOLAR DC INPUT

DC Input Voltage Range	**75 – 350 V DC**
DC Input Current Range	**3.3 – 13 A**
Max PV Open-Circuit Voltage (Voc)	≤ **380 V**
Max PV Short-Circuit Current (Isc)	≤ **15 A**

COMPRESSOR

Type	**Rotary, inverter**
Brand	**GMCC**
Rated Input Power	**830 W**
Rated Load Amperage (RLA)	**5.65 A**

FAN & AIR DELIVERY	
Airflow (High / Med / Low)	**294 / 265 / 235 CFM**
Fan Speed (H / M / L)	**1,350 / 1,250 / 1,150 RPM**
Sound Pressure (H / M / L)	**56 / 54 / 52 dB(A)**
Fan Motor Brand	**Wolong**
Fan Motor Output	**70 W**

REFRIGERANT SYSTEM	
Refrigerant	**R-32 (A2L)**
Factory Pre-Charge	**16.93 oz**
Design Pressure	**< 610 PSIG**

OPERATING TEMPERATURE (COOLING)	
Indoor	**61 – 90 °F**
Outdoor	**50 – 131 °F**

DIMENSIONS & WEIGHT	
Unit (W × D × H)	**24.80" × 18.98" × 14.96"**
Packaged (W × D × H)	**27.17" × 22.44" × 17.13"**
Net / Gross Weight	**66.1 / 77.2 lbs**

CONTROLS & INCLUDED	
Control	**Wireless remote**
Form Factor	**Single-package window unit**

WARRANTY	
Limited Warranty	**5 Years**

Solar-hybrid air conditioner. Operates on standard 115V grid power and can accept direct DC solar input to reduce grid electricity consumption during sunlight hours. Not a stand-alone off-grid or "solar-powered" appliance; it does not eliminate the electric bill or guarantee operation during a grid outage. R-32 (A2L) mildly flammable refrigerant. Specifications subject to change without notice. © 2026 Hartwell Air. All rights reserved.