

EG4[®] 12K & 24K HYBRID MINI-SPLIT AC/DC R32

EG4 Hybrid Mini-Splits offer a highly efficient 12K or 24K BTU heating and cooling system, designed for spaces from 650 to 1,350 square feet, raising the bar for energy efficiency, driven by mini-split innovation in HVAC mechanics. Progress in mini-split systems has paved the way for Energy Star-certified options, exemplified by the EG4 Hybrid Mini-Split systems, which deliver superior energy efficiency, reduced environmental impact, and potential cost savings, making them an eco-friendly choice.



PLUG-N-COOL
DIY

HIGHEST
EFFICIENCY
RATINGS

5-YEAR
LIMITED
WARRANTY

EASY DO-IT-YOURSELF INSTALLATION

Enables quick and simple refrigerant line-set connection using the quick-connect and self-closing companion valves, removing the need for special tools, equipment, or training. There's no need to pull a vacuum.

AC/DC HYBRID POWER INPUTS

Power this hybrid mini-split with solar panels directly attached to the outside unit and/or using 115VAC for the 12K unit or 208-240VAC for the 24K unit. Achieve 100% daytime energy savings on sunny days when solar power is used.

HEATING AND COOLING CAPACITY

Innovative air conditioning and heating solutions for small (650 sq ft) and medium (1,350 sq ft) rooms.

TECHNICAL SPECIFICATIONS

ELECTRICAL [AC]	12K SYSTEM	24K SYSTEM
RATED VOLTAGE	115 VAC	208 – 240 VAC
RATED CURRENT	8.3A	9 – 9.5A
RATED INPUT POWER	190W – 1100W	190W – 2250W
FREQUENCY		60 Hz
MINIMUM CIRCUIT AMPACITY	19.05A	16.33A
MAXIMUM BREAKER SIZE		20A
MAXIMUM STARTING CURRENT	4A	6A
ELECTRICAL [DC]		
RATED VOLTAGE	90 – 380 VDC	150 – 380 VDC
RATED CURRENT	2.4 – 9.1A	5.4 – 13.67A
MAXIMUM PV VOLTAGE (VOC)		≤380 VOC
MAXIMUM PV AMPERAGE (ISC)	≤12A	≤20A
RATED PV WATTAGE	1100W	2200W
RATED COOLING		
NOMINAL CAPACITY	12,000 BTU/h	24,000 BTU/h
OPERATING RANGE	3,000 – 12,500 BTU/h	6,100 – 25,200 BTU/h
RATED POWER	950W	2050W
RATED CURRENT	8.35A	9.5A
EER2 (BTU/W)	12.6	11.7
SEER (W/W)	20.8	20.5
SEER2 (W/W)	22.5	21
RATED HEATING		
NOMINAL CAPACITY	12,000 BTU/h	24,000 BTU/h
OPERATING RANGE	3,000 – 13,000 BTU/h	6,000 – 26,000 BTU/h
RATED POWER	980W	1900W
RATED CURRENT	8.6A	8.35A
COP (BTU/W)	12.25	12.6
HSPF2-5 (W/W)	/	7.9
HSPF2-4 (W/W)	9.7	10
SYSTEM DATA		
DESIGN PRESSURE (PSIG)		<651 PSI
REFRIGERANT	R32/27.52 oz. (0.81 L)	R32/40.57 oz. (1.20 L)
PRE-CHARGED REFRIGERANT LINE		16.4 ft. (5 m)
CHARGE REQUIRED PER ADDITIONAL FT	0.16 oz. (4.73 ml)	0.2 oz. (5.91 ml)
LIQUID VALVE DIAMETER		1/4 in. (6.35 mm)
GAS VALVE DIAMETER	3/8 in. (9.52 mm)	1/2 in. (12.7 mm)
MAX REFRIGERANT PIPE LENGTH	49.2 ft. (15 m)	82 ft. (25 m)
MAX ELEVATION BETWEEN UNITS	26.2 ft. (8 m)	32.8 ft. (10 m)

COMPRESSOR SPECIFICATIONS

TYPE	Rotary	2 × Rotary
MAX. INPUT POWER	834W	2105W
RATED LOAD AMPERAGE [RLA]	5.7A	6.72A

INDOOR UNIT DATA

	DGA3-ACDC1-12KR2	DGA2-ACDC-24KR2
OUTPUT POWER	15W	45W
RATED LOAD AMPERAGE [RLA]	0.4A	0.48A
SPEED [TURBO/5/4/3/2/1]	1250/1100/1000/900/800/750 r/min	1350/1250/1100/1050/950/900 r/min
AIR FLOW [TURBO/5/4/3/2/1]	340/320/300/280/260/250 CFM	700/625/560/526/462/430 CFM
SOUND PRESSURE [TURBO/5/4/3/2/1]	41.5/37.5/34.5/32/31/29 dB(A)	50/48.5/45.5/43.5/41/39 dB(A)
MOISTURE REMOVAL	2.65 pt/hr. (1.3 L/hr.)	4.5 pt/hr. (2.1 L/hr.)
UNIT DIMENSIONS [W×D×H]	33.1 x 8.1 x 11.6 in. (840 x 205 x 295 mm)	42.5 x 9.3 x 13.0 in. (1080 x 236 x 330 mm)
PACKAGING DIMENSIONS [W×D×H]	36.2 x 11.4 x 14.2 in. (920 x 290 x 361 mm)	44.9 x 11.8 x 14.3 in. (1140 x 300 x 363 mm)
UNIT/PACKAGED WEIGHT	20.9/26.0 lbs. (9.5/11.8 kg)	33.1/38.6 lbs. (15.0/17.5 kg)
OPERATING TEMPERATURE [COOLING]	61 – 90°F (16 – 32°C)	
OPERATING TEMPERATURE [HEATING]	32 – 90°F (0 – 32°C)	

OUTDOOR UNIT DATA

	DWA4-ACDC1-12R2	DWB3-ACDC-24R2
OUTPUT POWER	35W	75W
RATED LOAD AMPERAGE [RLA]	0.42A	0.81A
SPEED [HI/MED/LO]	800 r/min	850 r/min
AIR FLOW [HI/MED/LO]	1,060 CFM	1,940 CFM
SOUND PRESSURE [HI/MED/LO]	52 dB(A)	58 dB(A)
UNIT DIMENSIONS [W×D×H]	31.6 x 12.7 x 22.2 in. (802 x 323 x 564 mm)	35.4 x 13.3 x 27.6 in. (900 x 338 x 701 mm)
PACKAGING DIMENSIONS [W×D×H]	35.8 x 15.9 x 24.5 in. (909 x 404 x 622 mm)	39.6 x 16.5 x 29.7 in. (1006 x 419 x 754 mm)
UNIT/PACKAGED WEIGHT	70.6/81.6 lbs. (32.0/37.0 kg)	102.5/114.6 lbs. (46.5/52.0 kg)
OPERATING TEMPERATURE [COOLING]	32 – 131°F (0 – 55°C)	
OPERATING TEMPERATURE [HEATING]	5 – 86°F (-15 – 30°C)	

ACCESSORIES

CONTROL	Remote
SIGNAL CABLE	18 AWG (4 Stranded)
INSTALLATION LINESET LENGTH	16.4 ft. (5 m)

WARRANTY

LIMITED WARRANTY*	5-Year limited warranty
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**For information regarding warranty registration on EG4® Electronics products, please navigate to <https://eg4electronics.com/warranty/> and select the corresponding product to begin the registration process.*

CHANGELOG

Version 1.0.1

- Added EER2 rating

Version 1.0

- Initial release