

PANASONIC AIR CONDITIONING

COOLING ONLY INVERTER
2014/2015



INVERTER

Panasonic

FOR FUTURE GENERATIONS

Panasonic aims to become the No.1 green innovation company in the electronics industry



THE 2014 BEST GLOBAL GREEN BRANDS

2014 Brand Ranking Top 10

- 1 FORD
- 2 TOYOTA
- 3 HONDA
- 4 NISSAN
- 5 **Panasonic**
- 6 NOKIA
- 7 SONY
- 8 ADIDAS
- 9 DANONE
- 10 DELL

Interbrand has announced its 2014 ranking of Best Global Green Brands. In this year's ranking Panasonic was ranked number four, fulfilling our eco pledge "For future generations, Panasonic aims to become the No.1 Green Innovation Company in the Electronics Industry."

At Panasonic, our eco pledge is more than just a tagline; it's a harmonious way of life that we take very seriously. Panasonic was founded based on the philosophy of contributing to progress in society and to enriching people's lives through business activities. By offering products that

help people lead better, greener lives, we are making good on our strong commitment to continuous environmental sustainability management.

Interbrand's Best Global Green Brands 2014 report is a look at sustainability with performance data powered by Deloitte and consumer perception data. Interbrand evaluates organisations based on market perception; actual environmental performance; and products and services.

*Source: Best Global Green Brands 2014, Interbrand.
Go to www.bestglobalgreenbrands.com for more information.



PANASONIC ECO CITY
TIANJIN, CHINA

ENERGY EFFICIENT + CLEANER HEALTHIER AIR

Panasonic air conditioners are designed to do more than just cool and heat your home. They save energy, they purify your surroundings and they adjust the temperature to suit your living space and lifestyle. Living an eco life your way is now easier than ever.





ECONOMY MODE

Economy mode reduces energy consumption allowing you to enjoy efficient and comfortable cooling.



INVERTER

INVERTER technology maintains the room temperature by varying the rotation speed of the compressor; giving you exceptional energy savings.



ANTI-BACTERIAL FILTER

The Anti-Bacterial Filter combines three effects in one: anti-allergen, anti-virus and anti bacterial protection to provide you cleaner and healthier air.

RELIABLE COMFORT COMES FROM RELIABLE TECHNOLOGY

Through years of research, testing and product manufacture, Panasonic has the know-how to deliver air-conditioners you can rely on over many years and under a wide range of conditions.



COMFORT

A Panasonic air conditioner should be the hard-working hero you never notice. From noise measurements, to environmental performance and even operating ease, we repeatedly test our models to make sure they keep your home comfortable without ever intruding on your life.



DURABILITY

We simulate continuous operation under the harshest of conditions, subject the outdoor units to wind and rain tests and then examine every mechanism to ensure are delivering a rugged product you can depend on for many years.



SHOCK RESISTANCE

We love our air conditioners but that doesn't mean we go easy on them. We simulate impacts, vibrations, drops and stacking issues the units might face in transportation and storage so we know they will be ready for action when they reach your home.



CLASS LEADING FEATURES

ENERGY SAVING TECHNOLOGY

Panasonic combine Inverter technology and Economy Mode to create a powerhouse energy-saving product. These clever technologies benefit both the environment and your power bill, so your green intentions don't have to prevent you from living a comfortable life.



CLEANER, HEALTHIER AIR

As well as a cool, comfortable home, a Panasonic air conditioner provides the ultimate peace of mind with our Anti Bacterial Filter to eliminate unwanted contaminants and make the air healthier for you and your family.

ALLERGENS		99% ^{*1} DEACTIVATION
BACTERIA		99% ^{*2} DEACTIVATION
VIRUSES		99% ^{*3} DEACTIVATION
MOULD		GROWTH INHIBITION ^{*4}

QUIET OPERATION

Panasonic systems are amongst the quietest in the world, so you can enjoy the comfort of running your air conditioner at night and still have a relaxing sleep. The outdoor unit is also very quiet which means you don't have to worry about keeping your neighbours up either.



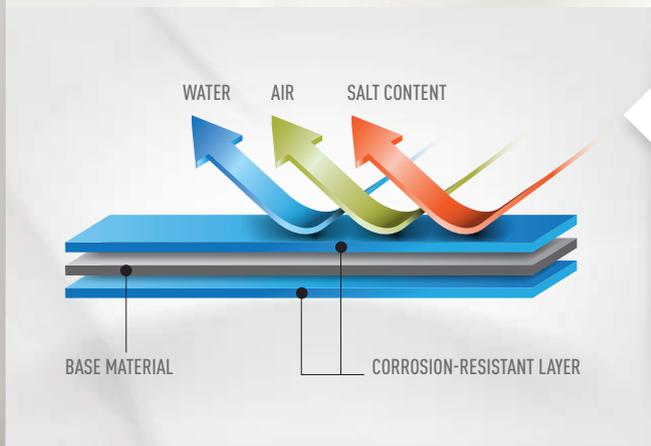
*1 Allergen deactivation was certified by Shinshu University, Allergen: Cider Pollen Allergen Cry j1 *2 Bacteria deactivation was certified by Boken Quality Evaluation Institute, Test Report No: 10042459-1 and 10042459-2 Bacteria: Staphylococcus aureus NBRC 12732; Escherichia coli NBRC 3972 *3 Virus deactivation was certified by Osaka Prefectural Institute of Public Health, Test Report No: 313360397 Virus: Influenza (H3N2) A/Hong Kong *4 Certified by Boken Quality Evaluation Institute, Test Report No: 000366-3 Mould: Aspergillus niger ATCC 6275

Control, comfort & reassurance



DESIGNED FOR AUSTRALIAN TEMPERATURES

Our air conditioning systems boast an outstanding operating temperature range. Cooling operation is possible even when it is a scorching +46°C outside, which is perfect for Australia's hot summer days.



BUILT TOUGH TO LAST

Panasonic outdoor units are built to last in the harsh Australian environment. Internal components of the outdoor unit are coated with a special blue coating that protects the unit from the damaging effects of salty air, dust, wind and rain. This special coating lets you enjoy more years of reliable comfort plus extra economy over the long run.



YOU CAN COUNT ON PANASONIC

Panasonic air conditioners are manufactured to the highest quality standards to ensure years of reliable comfort. We even back our reliability by offering a full 5 year parts and labour warranty.

THE SECRET TO ITS ABILITY IS FLEXIBILITY





INVERTER TECHNOLOGY IS ANYTHING BUT RIGID

Many air conditioners operate at one constant speed and need to constantly turn on and off to maintain a set temperature but Panasonic Inverter air conditioners have the flexibility to vary the rotation speed of the compressor, allowing them to use less energy to maintain the set temperature while also being able to cool and heat the room quicker at start up.

QUICK COOLING CONSTANT COMFORT



1 QUICK COOLING
Cools room faster at start up.

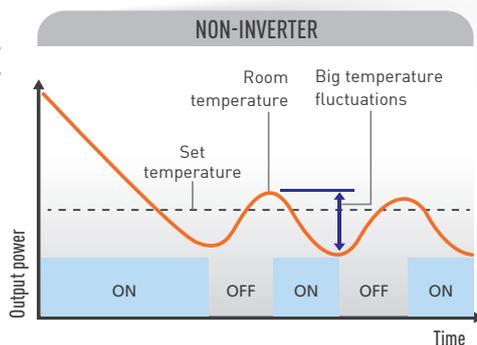
2 CONSTANT COMFORT
Easily maintains set temperature to keep you comfortable.



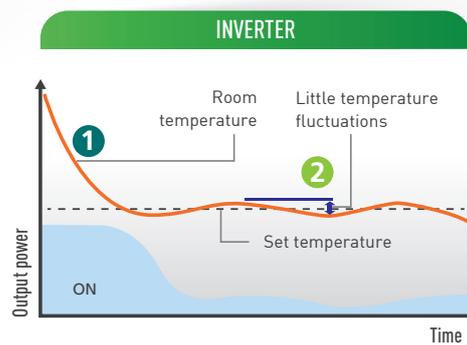
REDUCE ENERGY WASTAGE

Panasonic air conditioners feature Inverter technology, an innovation that allows the unit to vary the rate of the compressor and achieve a precise room temperature without wasting such huge amounts of energy. In fact, Panasonic Inverter works so well that it cools 1.5 times faster than a non-Inverter model and enables up to 50% energy savings*.

PERFORMANCE COMPARISON



NOTE: Energy is wasted by switching the compressor ON and OFF to maintain the set temperature.



NOTE: Saves energy by varying the rotation speed of the compressor to maintain the set temperature.

Legend:
■ Output power
— Temperature



INVERTER

3 ENERGY SAVING

Varies compressor rotation speed to reduce wasteful consumption of energy.

4 QUIET OPERATION

Indoor and outdoor units run quietly, so you can relax and even sleep in peace.



UP TO **50%**^{*}
ENERGY SAVINGS

***Comparison of 3.5kW Inverter model and 3.5kW Non-Inverter model (Cooling)**

Outside temperature: 35°C/24°C. Remote setting temperature: 25°C with Fan speed (High) Vertical Airflow direction: Auto, Horizontal Airflow direction: Front. Total power consumption amount are measured for 8 hours from start. At Panasonic Amenity Room (size:16.6m²) This is the maximum energy savings value, and the effect differs according to conditions in installation and usage.

WALL MOUNTED - COOLING ONLY INVERTER



CS-S9PKR | CS-S12PKR



CS-S18PKR | CS-S24PKR | CS-S28PKR

SPECIFICATIONS

Model		(50Hz)	CS-S9PKR (CU-S9PKR)	CS-S12PKR (CU-S12PKR)	CS-S18PKR (CU-S18PKR)	CS-S24PKR (CU-S24PKR)	CS-S28PKR (CU-S28PKR)	
Cooling Capacity	kW		2.60 (0.90~3.00)	3.50 (0.90~4.00)	5.00 (0.90~6.00)	7.00 (2.00~7.70)	8.00 (2.10~8.40)	
	Btu/h		8,870 (3,070~10,200)	11,900 (3,070~13,600)	17,100 (3,070~20,500)	23,900 (6,820~26,300)	27,300 (7,160~28,600)	
EER	w / w		4.13	4.07	3.85	3.23	3.25	
Star Rating			3.0	3.0	2.5	2.0	1.5	
Electrical Data	Voltage	V	240	240	240	240	240	
	Running Current	A	2.8	3.9	5.8	9.1	11.0	
	Power Input	kW	0.63 (0.24~0.88)	0.86 (0.25~1.18)	1.30 (0.24~1.85)	2.17 (0.47~2.40)	2.46 (0.43~2.60)	
Noise	Sound Pressure Level ^{**}	Indoor (Hi/Lo/S-Lo)	dB(A)	39/26/21	40/28/21	44/34/31	49/38/35	52/38/35
		Outdoor (Hi/S-Lo)	dB(A)	47/—	48/—	47/42	52/47	55/50
	Sound Power Level	Outdoor (Hi/S-Lo)	dB	62/—	63/—	61/56	66/61	69/64
Dehumid	L/h		1.6	2.0	2.8	4.0	4.7	
Air Flow	L/s		190	197	275	349	369	
Dimensions	Indoor H x W x D	mm	290 x 870 x 214	290 x 870 x 214	290 x 1070 x 240	290 x 1070 x 240	290 x 1070 x 240	
	Outdoor H x W x D	mm	619 x 824 x 299	619 x 824 x 299	795 x 875 x 320	795 x 875 x 320	795 x 875 x 320	
Net Weight	Indoor (Outdoor)	kg	9 (30)	9 (32)	12 (50)	12 (56)	12 (57)	
Refrigerant Pipe Diameter	Liquid Side/Gas Side	mm	6.35/9.52	6.35/12.70	6.35/12.70	6.35/15.88	6.35/15.88	
Pipe Extension Length	Min.~Max.	m	3~15	3~15	3~20	3~30	3~30	
Pipe Length for Additional Gas		m	7.5	7.5	10	10	10	
Additional Refrigerant Gas		g/m	15	15	20	30	30	
Power Supply			Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	
Operating Temperature Range (Outdoor)	Degree °C		5~46	5~46	5~46	5~46	5~46	

** Sound pressure level specification is measured according to JIS C9612.

Rating Conditions

	Cooling
Inside air temperature	27°C DB /19°C WB
Outside air temperature	35°C DB

- Power plugs are not supplied with the unit.
- Electrical work must be installed by a licensed electrician. Be sure to use the correct rating of the power plug and mains circuit for the model to be installed.
- Please read the Installation Instructions carefully before installing the unit, and read the Operating Instructions before using.

OUTDOOR



CU-S9PKR
CU-S12PKR



CU-S18PKR
CU-S24PKR
CU-S28PKR



Cleaner Air

Anti-Bacterial Filter

The Anti-Bacterial Filter combines three effects in one: anti-allergen, anti-virus and anti-bacterial protection to provide clean air.
 >> see page 8



Odour-Removing Function

With this function, there's no unpleasant odour when the unit starts up. That's because the fan remains off momentarily, while the source of the odour inside the air conditioner is suppressed.
 *The unit must be in cool or dry mode and the fan speed must be set to automatic.



Removable, Washable Panel

The front panel is easy to keep clean. It removes quickly with a simple one-step operation and can be washed in water. A clean front panel promotes smoother, more efficient performance, which can save energy.



Comfort

Inverter Control

An inverter air conditioner provides optimum power control, which is impossible for conventional units. The secret lies in the inverter circuit. By changing the frequency of power supply, this circuit alters the rotation speed of the compressor, which is the heart of the air conditioner. The result is comfortable, economical air conditioning.
 >> see page 10-13



Economy Mode

The Economy mode reduces energy consumption by up to 20%* compared to the Normal mode by automatically adjusting the set temperature by up to 2°C. It's ideal when you want to maintain room temperature for gentle cooling and heating.
 *Panasonic figures at an outside temperature of DB 35°C / WB 24°C and set temperature of 25°C (cooling operation).



Personal Airflow Creation

Vertical and horizontal airflow patterns can be combined as desired to gain the greatest comfort, with operation possible by remote control. (S18, S24, S28 Only)



Quiet Mode

The Quiet Mode reduces both indoor and outdoor unit operating sound. This function is especially convenient for operation near a sleeping baby and at night-time.



Cooling Operation Higher Limit

Cooling is possible even when the outside temperature is extremely hot. Highly durable compressor and fan motor helps to maintain room comfort even under the hottest conditions.
 >> see page 9



Manual Horizontal Airflow Direction Control

(S9, S12 Only)



Powerful Mode

Pressing the Powerful button cools or heats the room quickly. It provides fast comfort, with full power and a strong airflow. This is perfect for use immediately after coming home, or when unexpected guests arrive.



Soft Dry Operation Mode

Starts with cooling to dehumidify, then provides continuous breeze at a low frequency to keep a room dry without much change in temperature.



Airflow Direction Control (Up & Down)

(S9, S12 Only)



Fan Mode

Only the fan operates to circulate air in your room.



Automatic Operation Mode



Convenience

24-Hour Dual ON & OFF Real Setting Timer

This feature enables you to preset two different sets of start/stop operation timer (hour and minute) within a 24-hour time frame.



Demand Control



LCD Wireless Remote Controller



3rd Party Connectivity



Wired Remote Controller (Optional)



Reliability

Blue Fin Condenser

Condensers can take a beating from exposure to salty air, rain and other corrosive factors. Panasonic has expanded the life of our condensers with an original anti-rust coating.
 >> see page 9



Long Piping

The basic piping can be extended, allowing the outdoor unit to be installed further away from the indoor unit and providing greater installation flexibility.



Self-Diagnostic Function

Should a malfunction occur, the unit diagnoses the problem and shows the corresponding alphanumeric code. This allows for quicker servicing.



Random Auto Restart

All models are now safe to operate without a starter. With the exclusive Random Auto Restart feature, the air conditioners automatically restart after power failure. Its 32 different recovery-timing patterns ensure that air conditioners in the same building resume one after another instead of all at the same time. This feature helps prevent power surges after a blackout.



Top-Panel Maintenance Access

Maintenance of the outdoor unit used to be quite a tedious chore, especially when the unit was installed on a narrow balcony or attached to the outer wall of a high-rise building.



OPTIONAL ACCESSORIES

Remote Control

Wired Remote Controller



CZ-RD514C

CS-S9PKR, CS-S12PKR,
CS-S18PKR, CS-S24PKR,
CS-S28PKR

Not all features found on all models.

PANASONIC SIZING WIZARD APP

The Panasonic Air Conditioning Sizing Wizard makes choosing the right air conditioner easier. This application is very easy to use; simply enter some basic details about your room size and environment, and the Sizing Wizard will return the air conditioner best suited to your needs. You can use it online, or download the app for your Android smartphone or tablet, or your iPhone or iPad.

FEATURES:

- ▶ Product Selector
- ▶ Model Recommendation
- ▶ Model Specifications
- ▶ Product Feature Videos
- ▶ Where to Buy



Panasonic Australia Pty Limited

1 Innovation Road, Macquarie Park, NSW 2113
ABN 83 001 592 187

www.panasonic.com.au

Panasonic