









ADVANCED*PLUS **COPATROL** C-ION Air Purifying System with Patrol Sensor



appliances on line

Australia's largest online appliance retailer

ADVANCED FEATURES



ECO INTELLIGENCE by design

Nature is never wasteful and always strives to achieve perfect balance. These are two aspects of Nature that have inspired the design of Panasonic's new range of air conditioners. Not only have we adopted Nature's gentle, flowing curves, but we have also emulated its intuitive intelligence by using minimal energy to assure you of a consistent supply of clean and healthy air.









Self-adjusts compressor's rotational speed to deliver cost-efficient, energy-saving performance at all times.

ECO PATROL

Responds intuitively to the level of human presence and activity in the room to adjust coolness for maximum comfort and maximum savings.

ADVANCED*PLUS

C-ion Air Purifying System with Patrol Sensor

Alerts you to changes in the degree of air cleanliness and activates the air purifying function for cleaner, healthier air.

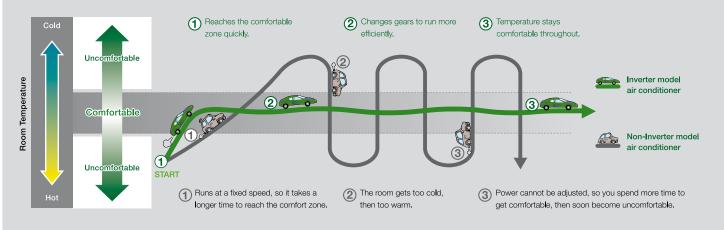


ENERGY-SAVING PERFORMANCE

More Precise Temperature Control

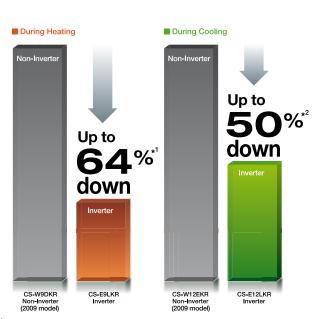
An Intelligent Inverter air conditioner varies its power output to maintain the temperature more precisely. By contrast, a non-Inverter model maintains the temperature by switching the compressor ON and OFF - more electricity is used and temperature is uneven!

Performance Comparison Using Cars as an Analogy

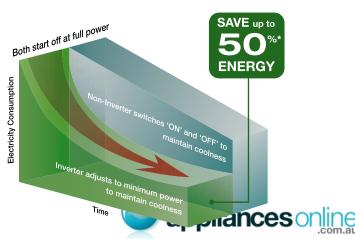


Outstanding performance and energy savings

The exceptional energy-saving performance of Panasonic Intelligent Inverter air conditioners ranks among the highest in the industry. The secret lies in its precision control. After reaching the set temperature, an Intelligent Inverter air conditioner continually adjusts compressor rotation speed to operate with minimum power - giving you up to 50% energy savings during cooling operation, and 64% energy savings during heating operation. By contrast, a non-Inverter unit operates on an ON-OFF cycle to maintain the temperature - so it uses twice as much electricity.



Comparison of cumulative electricity consumption during heating to reach the setting temperature. (Panasonic in-house comparison) Test conditions: Indoor and outdoor temperature: 7° C. Setting temperature: 25° C / Fan speed - High



ideas

 $^{^{\}rm s^2}$ Comparison of cumulative electricity consumption during 8 hours of cooling. (Panasonic in-house comparison) Test conditions: Room temperature at start: 35°C / Setting temperature: 25°C

^{*}Comparison of CS-E12LKR Inverter and non-Inverter air conditione Australia be larges honline appliance retailer

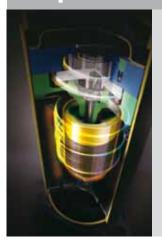
^{*}Test Conditions <Room Size> 16.2m²; Outside temp.: DB35°C / WB24°C. Set temp.: 25°C; Fan Speed /

Airflow Direction: Hi Fan / Auto Swing

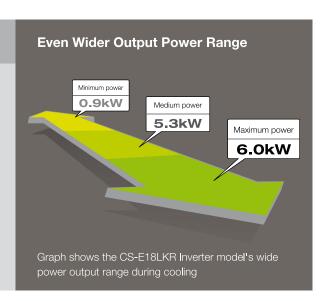
Operation starts from indoor temperature DB35°C / WB24°C, until it achieves the set temperature 25°C, total operation for 8 hours.



Optimum Performance



Thanks to a wider power output range, the Intelligent Inverter can vary its cooling power to meet different room occupancy levels. By adjusting the compressor's rotation performance to provide optimum speed at all times, it is able to achieve and maintain the set temperature more cost-efficiently than a non-Inverter.



Quick Comfort

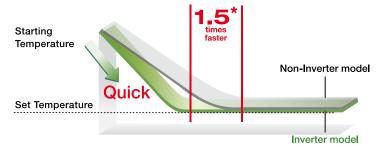
As soon as an Inverter air conditioner is switched on, it provides the exact amount of power needed to rapidly cool or heat the room. This enables it to heat a room 4 times faster, and cool a room 1.5 times faster, than non-inverter models. So you're comfortable soon after you arrive home on a hot summer day, or on a cold winter morning.

Comparison of Heating Speed

Set Temperature Non-Inverter model 4* times faster Starting Temperature

* Comparison of CS-E9LKR Inverter Vs non-Inverter models during heating.

Comparison of Cooling Speed



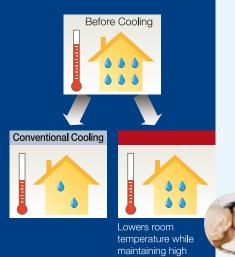
* Comparison of CS-E12LKR Inverter Vs non-Inverter models during cooling.

Mild Dry Cooling

- Fine control helps prevent a rapid decrease in room humidity while maintaining the set temperature. (Maintains an RH* up to 10% higher than cooling operation)
 *RH: Relative Humidity
- Ideal when sleeping with the air conditioner on.



The effect was verified by Professor Norio Isoda of Nara Women's University (Sep 2008)

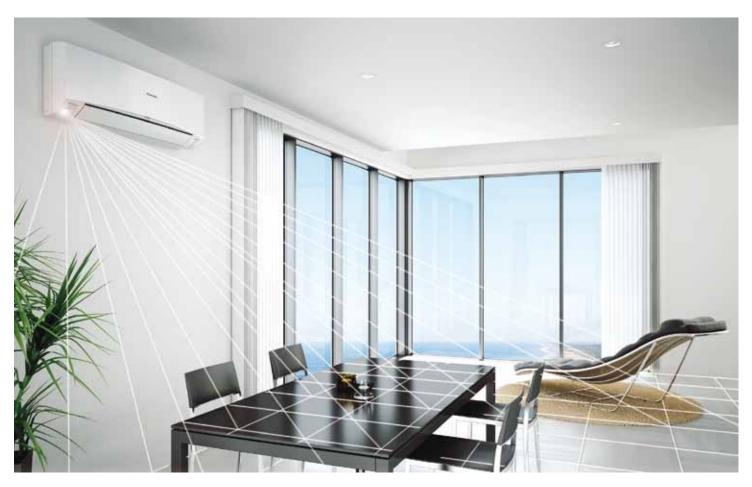


humidity

Based on findings from the Skin Moisture Decrease Test, Professor Norio Isoda of Nara Women's University concluded that a high humidity environment improves skin moisture compared to a low humidity environment (with a difference in humidity of 10% or more). Precise temperature control helps prevent a rapid decrease in room humidity while maintaining the set temperature. Thus, Mild Dry Cooling can help to minimise dry skin and dry throat – common effects of regular cooling operation.



INCREASED ENERGY-SAVINGS



Enjoy Uninterrupted Comfort and Increased Energy Savings

For those who welcome energy savings without having to give up uninterrupted cooling and heating, the Eco Patrol sensor is the answer.

As soon as it is activated via remote control, the Eco Patrol sensor detects the level of human presence or activity in a room and adjusts the temperature accordingly. Saving you the hassle of having to remember to turn the air conditioner on or off, the temperature up or down – while saving you up to 10% in electricity costs.

Up to 10% additional energy savings

The energy-saving benefit of Eco Patrol is maximised when the air conditioners is left switched on in a room that is used intermittently. For example, when the room is empty for two hours, the air conditioner self-adjusts to raise the temperature by 2°C for up to 10% additional energy savings. When someone re-enters, the air conditioner revers to the set temperature to provide uninterrupted comfort.

*1 Total savings during Cooling:
 60% (Inverter: 50% + Eco Patrol: 10%)

Comparison between an Inverter model with Eco Patrol and non Inverter model without Eco Patrol. Both operating for 8 hours.







HERE'S WHY THE ECO PATROL SENSOR IS SO GREAT!

It senses people's movements.

It recognises people by "infrared rays + movement" and determines the amount of activity.

It senses the entire room in real-time.

It constantly checks people's movements in the room, and quickly adapts to changes.

High-Precision Sensing.

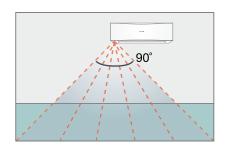
Its wide field of view senses up to 7 metres away with high precision.

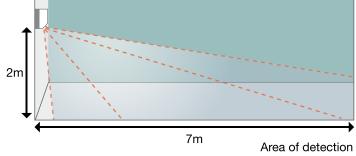


Eco Patrol's Coverage Capabilities

Eco Patrol's high-precision sensor can detect any moving object within its detection zone.



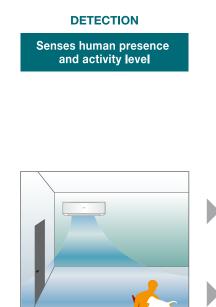




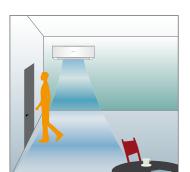
Angle of detection

Eco Patrol's Operation

Eco Patrol optimises operation as cooling and heating requirements change.







When everyone leaves...

Increases or decreases power accordingly MAXIMUM COMFORT

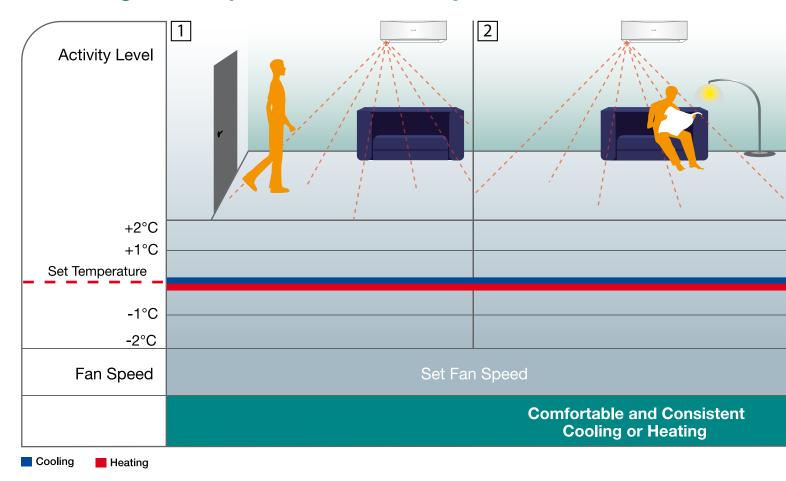
Higher-power operation provides uninterrupted comfort.



Lower-power operation saves energy.

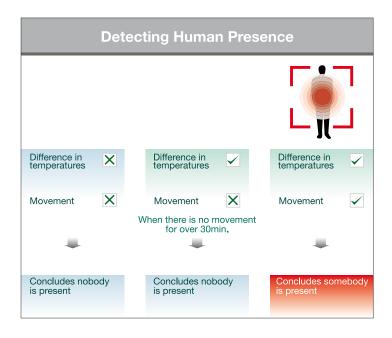
UNINTERRUPTED COOLING AND HEATING

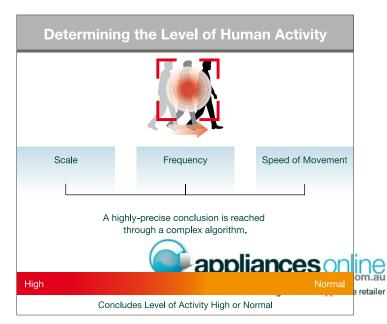
Monitoring human presence and activity level for maximum comfort



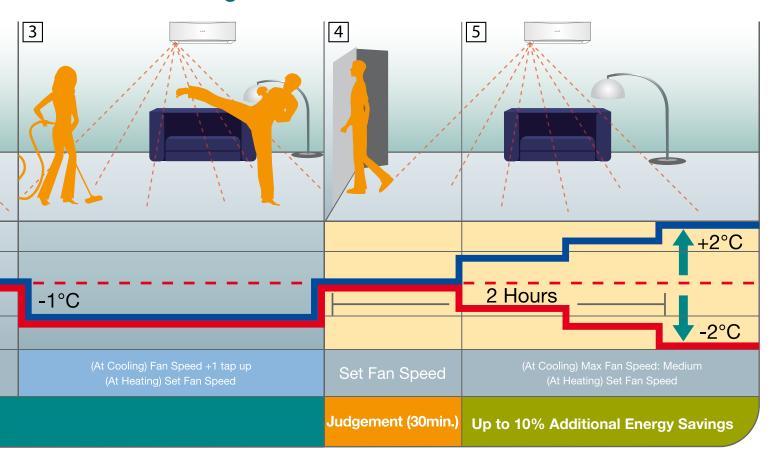
High-Precision Sensing

All objects emit infrared rays which, although invisible, can be detected as heat by Eco Patrol's sensor if it is within the detection zone. When an object moves within its detection zone, Eco Patrol compares the object's temperature with the room temperature to determine if it is human, and level of activity based on its movement.



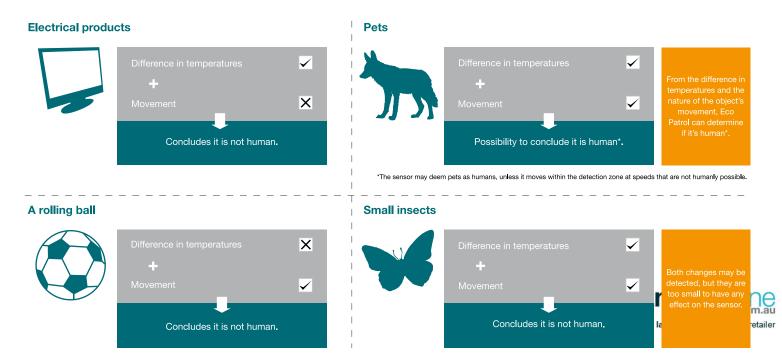


and maximum savings



Differentiating Objects

Eco Patrol's sensor technology uses factors such as speed, frequency and temperature of every object to determine if it is human.



AIR PURIFYING TECHNOLOGY

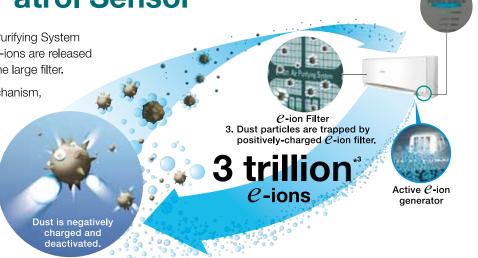
ADVANCED*PLUS

 $\mathcal C$ -ion Air Purifying System with Newly Designed Patrol Sensor

Panasonic's original, highly acclaimed e-ion Air Purifying System is now 15%*1 more efficient than before. Active e-ions are released to catch dust particles and bring them back to the large filter.

Thanks to this revolutionary boomerang-like mechanism, air is purified throughout the room to provide a healthy, relaxing living environment.

- *1 Compared to 2007 year's models.
- *2 Panasonic has applied for 8 patents related to e-ion Air Purifying technology. (As of May, 2010)
- ⁴³ 3 trillion is the simulated number of active e-ions under the mentioned conditions. Actual measured active e-ions at the centre of the room (13m²):100k/cc Calculated number of active e-ions in the entire room assuming they are evenly distributed.



2. E-ions catch and deactivate micro-organisms.

Dust particles become negatively-charged.

Applicable models: Inverter Deluxe Reverse Cycle models

Patrol Sensor

1. Detects dust.

THIS IS PANASONIC'S REVOLUTIONARY MECHANISM

Air is monitored both during air conditioner operation and when it's switched off. When dirt is detected, the air purifying function is started to immediately clean the air in the room.

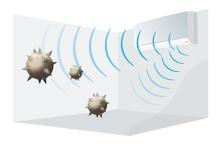


DETECTS

PATROL SENSOR

The sensor measures the dirt in the air, and above a certain level the air is judged to be dirty.

If dirt concentration exceeds the sensing level, the Air Purifying System is switched on.

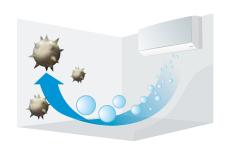




CATCHES & DEACTIVATES

E-ION ACTION

Three trillion e-ions are released to catch floating dust particles. The ions also deactivate bacteria and viruses.

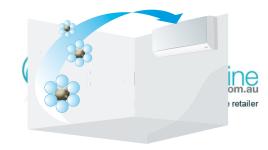




CAPTURES ELECTRICALLY

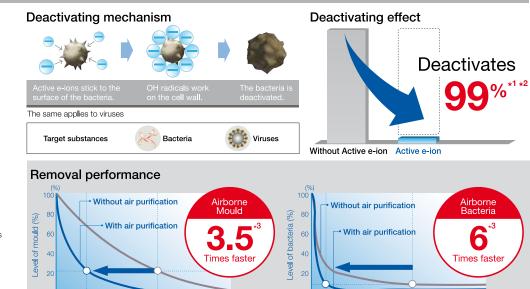
E-ION FILTER

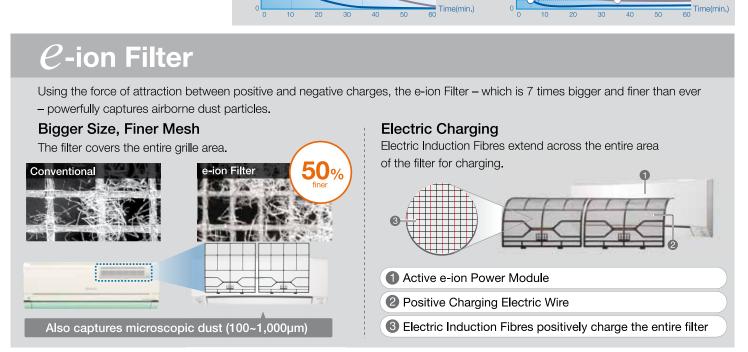
The filter is positively-charged, so negatively-charged dust particles are electrically attracted. This electrical action assures that dust is efficiently captured.



Active \mathcal{C} -ion

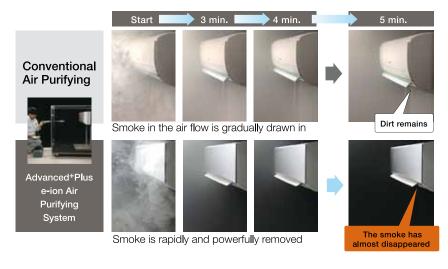
- Active e-ions can deactivate 99% of bacteria*¹ and virus*² activities.
- e-ions Air Purifying System can rapidly reduce airborne mould and bacteria*3
 - 99% deactivation was certified by Japan Food Research Laboratories
- *1 Test report number: No. 205010211-001 Bacteria: Staphylococcus aureus subsp. aureus (NBRC12732)
- *2 Test report number: No. 204101750-001 Virus: Influenza virus A
- *3 Test report number: 304110078-001 Test method: The e-ion Air Purifying System was operated in a test room (10m²) and changes in airborne mould and bacteria were measured by means of the Air Sampler Method (MAS100)

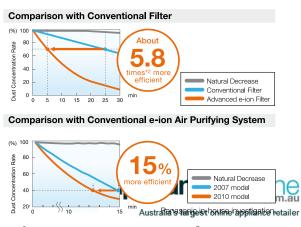




Electric Dust Collection for More Efficient Purification

A smoke collection test demonstrates the exceptional purifying performance.



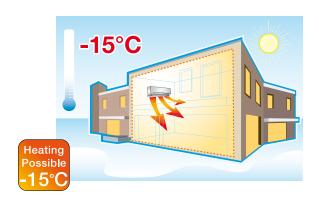


² After 5 cigarettes were smoked in a roughly 20m³ room, air conditioner operation was started and the decrease in particulate concentration was measured with a dust meter.

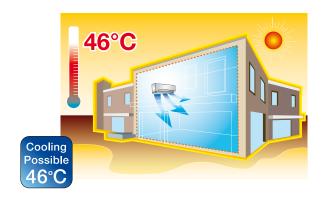
PANASONIC VERSATILE FEATURES

Wide Operating Temperature Range

Panasonic Air Conditioners are perfectly designed to suit Australia's climate with outstanding operating temperature range.



Providing outstanding cold climate performance, Panasonic Air Conditioners let you enjoy stable heating even when the outside temperature is below freezing. Units operate down to -15°C. Add to this exceptional durability and reliability and you are looking at worry-free operation for comfort during winter.

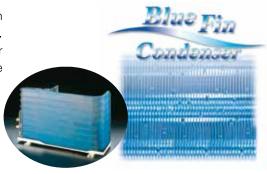


Cooling is possible even when the outside temperature is up to 46°C. The highly durable compressors and fan motors found inside Panasonic Air Conditioners help to maintain room comfort even under the hottest conditions.

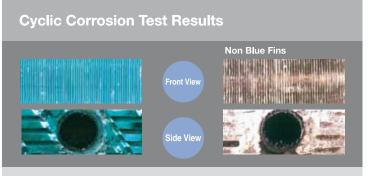
Blue Fin Condenser

Lasts 3 Times Longer

An air conditioner's performance depends largely on its condenser, which can take a beating from exposure to salty air, wind, dust and other corrosive factors. Panasonic has found a way to triple the life of our condensers, using a layer of our original anti-rust coating. This special coating lets you enjoy more years of reliable comfort plus extra economy over the long run.



Special Coating Layer (Fin Cross-section) Water Air Salt content Base material Corrosion-resistant layer



Test Proven - Durability that lasts 3 times longer

Panasonic's condenser has 3 times higher resistance against corrosion. This special coating assures longer condenser life for years of reliable comfort.

Note: According to Panasonic test results.



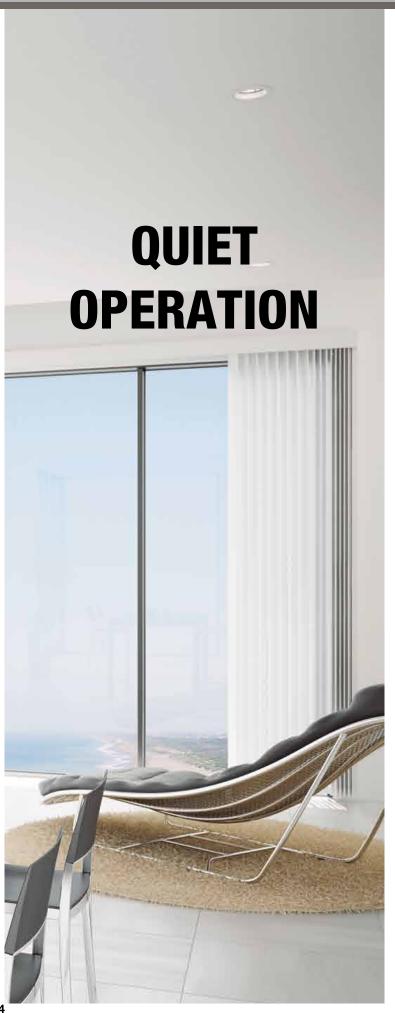
Easy-to-use Remote Controller

Wireless Remote Controller

Panasonic's wireless remote controller features a large Liquid Crystal Display (LCD) panel which makes it extremely user-friendly. So you can sit back and enjoy easy operation and long-lasting comfort from your Panasonic Air Conditioner.



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Quiet operation for more comfort

Quiet Mode

Quiet Mode during cooling and heating provides quieter indoor unit operation as well as reducing the outdoor unit noise level.



* CS-E9LKR: during cooling/heating operation, CS-E12LKR: during cooling operation with low fan speed in the Quiet Mode.

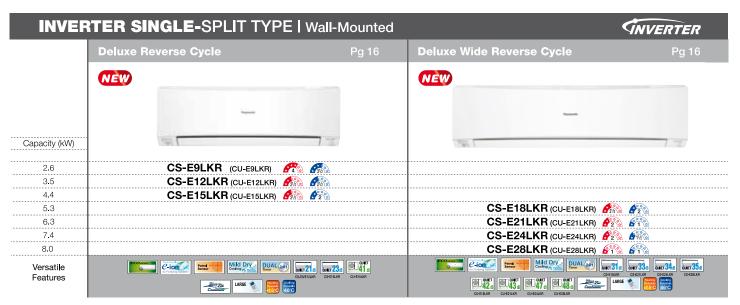


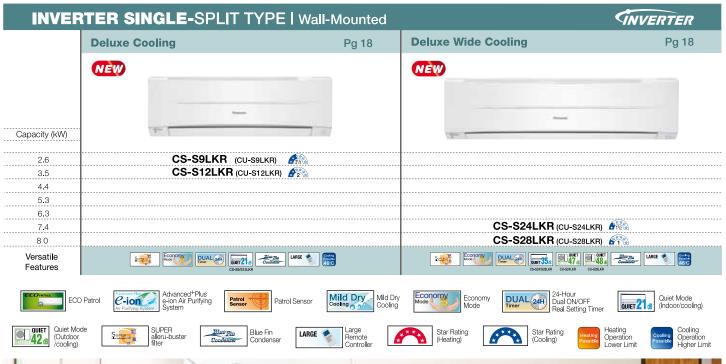
*1 CU-E15/E18/E21/E24/E28/S24/S28 Line the Quiet Mode during cool appliances on incomplete operation with low fan speed

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MODEL LINE-UP





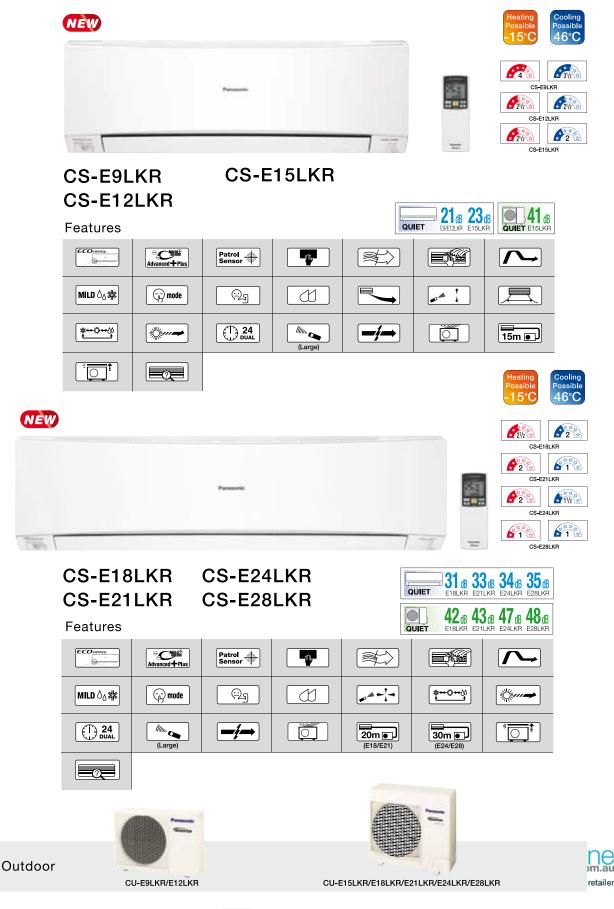




INVERTER SINGLE-SPLIT TYPE | WALL-MOUNTED

Deluxe Reverse Cycle







2-in-1 Value with the Air Purifying **Function Plus Energy Saving!**



Advanced+Plus e-ion **Air Purifying System**

e-ions are released to catch dust particles and deactivate bacteria and virus activities. The positively-charged e-ion filter attracts dust particles to thoroughly clean the air.



Patrol Sensor

Air is monitored both during air conditioner operation and when it's switched off. When dirt is detected, the air purifying function is started to immediately clean the air in the room.





Eco Patrol detects human presence and activity levels. It then adjusts the temperature and fan speed accordingly to give more comfort and energy savings.





Industry Leading Energy Saving Rating Achieved by Inverter Technology

On top of the powerful heating, the longer you use the unit the more you can enjoy class-leading operation efficiency, which means an even bigger energy saving effect.

	rison of Capacity		arison EER	Compa of C	
at maximur	n operation	at cooling	operation	at heating	operation
2.8kw	,00kw	3.08	4,48	4.0	4.50
Non-Inverter (CS-W9DKR) (2009 model)	Inverter Deluxe (CS-E9LKR)	Non-Inverter (CS-W9EKR) (2009 model)	Inverter Deluxe (CS-E9LKR)	Non-Inverter (CS-W9DKR) (2009 model)	Inverter Delux (CS-E9LKR)

Specifications

Cooling / Heating

Model		(50Hz)	CS-E9LKR (CU-E9LKR)	CS-E12LKR (CU-E12LKR)	CS-E15LKR (CU-E15LKR)	CS-E18LKR (CU-E18LKR)	CS-E21LKR (CU-E21LKR)	CS-E24LKR (CU-E24LKR)	CS-E28LKR (CU-E28LKR)
Cooling Capacity		kW	2.60 (0.80 ~ 3.00)	3.50 (0.80 ~ 4.00)	4.40 (0.90 ~ 5.00)	5.30 (0.90 ~ 6.00)	6.30 (0.90 ~ 7.10)	7.40 (0.90 ~ 8.10)	8.00 (0.90 ~ 8.60)
		Btu/h	8,870 (2,730 ~ 10,200)	11,900 (2,730 ~ 13,600)	15,000 (3,070 ~ 17,100)	18,100 (3,070 ~ 20,500)	21,500 (3,070 ~ 24,200)	25,200 (3,070 ~ 27,600)	27,300 (3,070 ~ 29,300)
EER		W/W	4.48	3.98	3.46	3.56	3.09	3.18	3.02
Heating Capacity*		kW	3.60 (0.80 ~ 5.00)	4.90 (0.80 ~ 6.70)	5.50 (0.90 ~ 7.10)	6.35 (0.90 ~ 8.00)	7.20 (0.90 ~ 8.50)	8.60 (0.90 ~ 9.90)	9.60 (0.90 ~ 11.00)
		Btu/h	12,300 (2,730 ~ 17,100)	16,700 (2,730 ~ 22,800)	18,800 (3,070 ~ 24,200)	21,700 (3,070 ~ 27,300)	24,600 (3,070 ~ 29,000)	29,300 (3,070 ~ 33,800)	32,700 (3,070 ~ 37,500)
COP		W/W	4.50	3.89	3.74	3.76	3.64	3.45	2.95
Star Rating			3.5 / 4.0	2.5 / 2.5	2.0 / 2.5	2.0 / 2.5	1.0 / 2.0	1.5 / 2.0	1.0 / 1.0
Electrical Data	Voltage	٧	240	240	240	240	240	240	240
	Running Current	А	2.7 / 3.6	3.9 / 5.5	5.8 / 6.6	6.7 / 7.7	9.0 / 8.8	10.5 / 11.3	12.0 / 14.9
	Power Input	kW	0.58 (0.175 ~ 0.78) 0.80 (0.165 ~ 1.36)	0.88 (0.185 ~ 1.20) 1.26 (0.175 ~ 1.89)	1.27 (0.215 ~ 1.60) 1.47 (0.245 ~ 2.25)	1.49 (0.215 ~ 2.05) 1.69 (0.245 ~ 2.65)	2.04 (0.215 ~ 2.40) 1.98 (0.245 ~ 2.70)	2.33 (0.35 ~ 2.70) 2.49 (0.36 ~ 3.20)	2.65 (0.35 ~ 2.95) 3.25 (0.36 ~ 3.79)
Sound Pressure Level*1	Indoor (Hi/Lo/S-Lo)	dB(A)	38/25/21 39/27/21	41/26/21 41/29/26	43/30/23 43/31/27	42/34/31 42/33/29	45/36/33 45/35/32	46/37/34 46/37/34	49/38/35 48/38/35
Noise	Outdoor (Hi/S-Lo)	dB(A)	46 / 	48 / — 49 / —	46 / 41 46 / 41	47 / 42 47 / 42	48 / 43 49 / 44	52 / 47 52 / 47	53 / 48 53 / 48
Sound Power Level	Outdoor (Hi/S-Lo)	dB	61 / 	63 / 64 / 	61 / 56 61 / 56	61 / 56 61 / 56	62 / 57 63 / 58	66 / 61 66 / 61	67 / 62 67 / 62
Dehumid		L/h	1.6	2.0	2.4	2.9	3.5	4.3	4.7
Air F l ow		L/s	178 / 202	202 / 207	213 / 233	267 / 295	263 / 273	307 / 339	340 / 349
B********	Indoor H x W x D	mm	290x870x204	290 x870x 204	290x870x204	290x1070x235	290x1070x235	290x1070x235	290x1070x235
Dimensions	Outdoor H x W x D	mm	540x780x289	540x780x289	795x875x320	795x875x320	795x875x320	795x875x320	795 x875x320
Net Weight	Indoor (Outdoor)	kg	9 (34)	9 (35)	9 (50)	12 (50)	12 (50)	12 (59)	12 (60)
Refrigerant Pipe Diametre	Liquid Side/Gas	Side mm	6.35 / 9.52	6.35 / 12.70	6.35 / 12.70	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	3~15	3~20	3~20	3~30	3~30
Pipe Length for Additional Gas m		7.5	7.5	7.5	10	10	10	10	
Additional Refrigerant Gas g/m		20	20	20	20	20	30	30	
Power Supply	Power Supply		Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Operating Temperatur	re Range (Outdoor)	Degree °C	16~46 / -15~24	16~46 / -15~24	16~46 / -15~24	16~46 / -15~24	16~46 / -15~24	16~46 / -15~24	16~46 / -15~24

Rating Conditions

	Cooling	Heating
Inside air temperature	27°C DB/19°C WB	20°C DB
Outside air temperature	35℃ DB	7°C DB/6°C WB

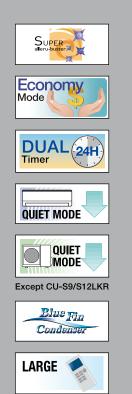
- *1 Sound pressure level specification is measured according to JIS C9612.

 Australia's largest online appliance retailer
- 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.

17

INVERTER SINGLE-SPLIT TYPE | WALL-MOUNTED

Deluxe cooling







retailer

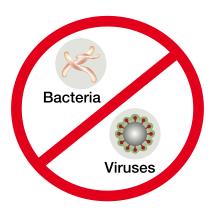


Clean, Comfortable Air and **Energy Saving Performance**



SUPER alleru-buster filter

The SUPER alleru-buster filter combines three effects in one: anti-allergen, anti-virus, and anti-bacteria protection, to keep the room air clean and healthy.





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.



* Panasonic figures, at an outside temperature of DB35°C/WB24°C and set temperature of 25°C (Cooling operation).



Highest Energy Saving Rating Achieved by Inverter Technology

Panasonic's high-efficiency technologies meet stringent energy-saving standards. Our new deluxe cooling models have attained Energy - Efficiency Rating 2.5 star, which places them as one of the industry's top class of energy savers. This means you can use these models everyday, without having to worry about the electricity bill.

Comparison of	Comparison		
Cooling Capacity	of EER		
at maximum operation	at cooling operation		
3.00kw	3.77kw		
Non-Inverter	Non-Inverter Inverter		
(CS-W9DKR) Deluxe Cooling	(CS-W9DKR) Deluxe Cooling		
(2009 model) (CS-S9LKR)	(2009 model) (CS-S9LKR)		

Specifications

Мо	odel		(50Hz)	CS-S9LKR (CU-S9LKR)	CS-S12LKR (CU-S12LKR)	CS-S24LKR (CU-S24LKR)	CS-S28LKR (CU-S28LKR)
Co	oling Capacity		kW	2.60 (0.80 ~ 3.00)	3.50 (0.80 ~ 4.00)	7.40 (0.90 ~ 7.70)	8.00 (0.90 ~ 8.40)
			Btu/h	8,870 (2,730 ~ 10,200)	11,900 (2,730 ~ 13,600)	25,200 (3,070 ~ 26,300)	27,300 (3,070 ~ 28,600)
EEF	7		W/W	3.88	3.65	3.18	3.02
Sta	r Rating			2.5	2.0	1.5	1.0
Ele	ctrical Data	Voltage	V	240	240	240	240
		Running Current	А	3.2	4.4	10.6	12.0
		Power Input	kW	0.67 (0.18 ~ 0.88)	0.96 (0.19 ~ 1.33)	2.33 (0.35 ~ 2.70)	2.65 (0.35 ~ 2.95)
	Sound Pressure Level*	Indoor (Hi/Lo/S-Lo)	dB(A)	37/26/21	38/28/21	47/38/35	49/38/35
Noise	2070	Outdoor (Hi/S-Lo)	dB(A)	47 / —	48 / —	52 / 47	53 / 48
	Sound Power Level	Outdoor (Hi/S-Lo)	dB	62 / —	63 / —	66 / 61	67 / 62
Del	numid		L/h	1.6	2.0	4.3	4.7
Air	Flow		L/s	168	178	307	340
Din	nensions	Indoor H x W x D	mm	290x870x204	290x870x204	290x1070x235	290x1070x235
		Outdoor H x W x D	mm	540x780x289	540x780x289	795x875x320	795x875x320
Net	: Weight	Indoor (Outdoor)	kg	9 (29)	9 (29)	12 (56)	12 (57)
Ref Dia	rigerant Pipe meter	Liquid Side/Gas Side	mm	6.35 / 9.52	6.35 / 12.70	6.35 / 15.88	6.35 / 15.88
Pip	e Extension Length	Min.~Max.	m	3~15	3~15	3~30	3~30
Pip	e Length for Additional G	Gas	m	7.5	7.5	10	10
Add	ditional Refrigerant Gas		g/m	15	15	30	30
Pov	wer Supp l y			Outdoor	Outdoor	Outdoor	Outdoor
Ор	erating Temperature Ran	ge (Outdoor)	Degree °C	16 ~ 46	16 ~ 46	16 ~ 46	16 ~ 46

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.

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^{*} Sound pressure level specification is measured according to JIS C96120m.au

FEATURE COMPARISON

					Deluxe Reverse Cycle	Deluxe Wide Reverse Cycle
IN	VER ¹	TER SINGL	E-SPLIT TYPE	CS-E9LKR CS-E15LKR CS-E12LKR	CS-E18LKR CS-E24LKR CS-E21LKR CS-E28LKR	
			_ 0		-	-
	Advanced + Plus	Advanced+Plus e-ion	n Air Purifying System		•	•
	Patrol A	Patrol Sensor	TAIL Fullying System		•	•
r <u>Ai</u> r		SUPER alleru-buster	filter			
Healthier Air		One-Touch Air Filter			•	•
Hea		Odour-Removing Fun	nction		•	•
		Removable, Washable			•	•
		,				
		Inverter Control			•	•
	€CO _{rema}	ECO Patrol			•	•
	MILD O₀‡	Mild Dry Cooling			•	•
		, ,	Indoor		•	•
	(F) mode	Quiet Mode	Outdoor		•	•
	(P ₂ q	Powerful Mode			(E15) ●	•
	\$	Economy Mode				
ort	HEATING POSSIBLE	Heating Operation Lo	wer Limit		-15°c	-15°c
Comfort	COOLING POSSIBLE	Cooling Operation Hig			46°c	46°c
J		Soft Dry Operation Me			•	•
		Wide & Long Airflow \			•	
						•
		I Airflow Direction Control (Up & Down)			•	
		Manual Horizontal Air	rflow Direction Control		•	
	\$<>O++\(\psi\)	Auto Changeover (Inv	verter)		•	•
	* *	Automatic Operation				
	Ž:u-	Hot Start Control			•	•
age .	D 24	24-Hour Dual ON/OF	FF Real Setting Timer		•	•
Convenience		LCD Wireless Remo	ote Controller		.•.	.•.
0					(Large)	(Large)
		DI F. O. I			_	_
		Blue Fin Condenser			•	•
	- <i>j</i> →	Random Auto Restar	π		•	
Reliability		Long Piping			15m	20m(E18/E21) 30m(E24/E28)
Reli		Plug Type & Ampere *The plug must be installed	Capacity ed		Outdoor Power Supply	Outdoor Power Supply
		Top-Panel Maintena	nce Access		• ap	pliancesonline
		Self-Diagnostic Fund	ction		•	•

Deluxe Cooling	Deluxe Wide Cooling
CS-S9LKR CS-S12LKR	CS-S24LKR CS-S28LKR
-	
•	•
•	•
•	•
•	•
•	•
•	•
	•
•	•
•	•
46°c	46°c
•	•
	•
•	
•	
•	•
•	•
(Large)	(Large)
(Large)	(Large)
•	•
•	•
15m	30m
Outdoor Power Supply	Outdoor Power Supply
•	•
•	•



FEATURE EXPLANATIONS

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.



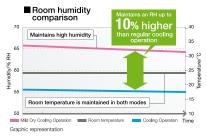
Eco Patrol

Eco Patrol detects human presence and activity levels. It then adjusts the temperature and fan speed accordingly to give more comfort and energy savings.

MILD ∆o*

Mild Dry Cooling

Fine control helps prevent a rapid decrease in room humidity while maintaining the set temperature. Maintains an RH* of up to 10% higher than cooling operation. Ideal when sleeping with the air conditioner on.



*RH: Relative Humidity

Quiet Mode

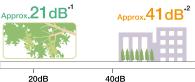
The Quiet Mode reduces both indoor and outdoor unit operating sound. This function is especially convenient for operation near a sleeping baby and at night-time. Outdoor units



As quiet as the sound of leaves on a tree



As quiet as a library



- *1 CS-E9LKR: In the Quiet mode during heating/cooling operation with low
- S-E12LKR: In the Quiet mode during cooling operation with low fan speed. *2 CU-E15LKR: In the Quiet Mode during cooling/heating operation with

Soft Dry Operation Mode

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

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 quests arrive.



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 vou want to maintain room temperature for gentle cooling and heating.



* Panasonic figures, at an outside temperature of DB35°C/WB24°C and set temperature of 25°C (Cooling operation)

Heating Operation Low Limit

Providing outstanding cold climate performance, Panasonic air conditioners let you enjoy stable heating even when the outside temperature is below freezing. Add to this exceptional durability and reliability and you're looking at worry-free operation for comfort during the harsh winter.

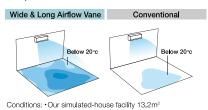
COOLING POSSIBLE

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.

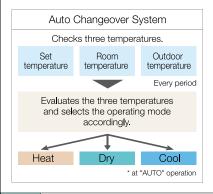
Wide & Long Airflow Vane

This newly designed vane has been integrated with the louver to send the air further to every corner of the room to keep the whole room comfortable.



Set temperature 25°C

Auto Changeover (Inverter)





Automatic Operation Mode



Hot Start Control

On the start of heating cycle and after defrost cycle, the indoor fan will start up once the indoor heat exchanger is warm.

Personal Airflow Creation

Vertical and horizontal airflow patterns can be combined as desired to gain the greatest possible comfort, with operation possible even from a distance by remote control.

• Up & Down Airflow -5 Patterns + Auto







When you don't want airflow directed right

When you want direct When you want to airflow. When you want to warm yourself

• Left & Right Airflow -5 Patterns + Auto









To focus the airflow to the centre



Airflow Direction Control (Up & Down)



Manual Horizontal Airflow **Direction Control**

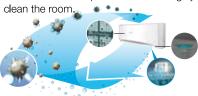


Healthier Air



Advanced+Plus e-ion Air Purifying System

e-ions are released to catch dust particles and deactivate bacteria and virus activities. The positively-charged filter attracts dust particles to thoroughly





Patrol Sensor

Air is monitored both during air conditioner operation and when it's switched off. When dirt is detected,

the air purifying function is started to immediately clean the air in the room.



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



Anti-Mould, One-Touch Air Filter



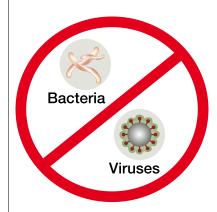
Odour-Reducing Function

With this function, there's a reduction in unpleasant odours 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

SUPER alleru-buster filter

The SUPER alleru-buster filter combines three effects in one - anti-allergen, anti-virus, and anti-bacteria protection to keep room air clean and healthy.



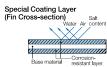
Reliability



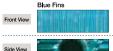
Blue Fin Condenser

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





Cyclic Corrosion Test Results





Panasonic HA Air-Conditioning R&D (M) Sdn. Bhd.
 A third party authorized research institute in Malays

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.



Self-Diagnostic Function

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



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.



The graph refers to the CS-E24/E28LKR. Extendable length varies by model. If the piping is extended past the basic pipe length, there's an extra charge for additional refrigerant.



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.

Convenience



LCD Wireless Remote Controller

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.

The System of Model Numbers for Split Models



1 Model Type

CS: Split Type (Indoor unit) CU: Split Type (Outdoor unit) CZ: Accessories

Inverter Deluxe (Reverse cycle) S : Inverter (Cooling only)

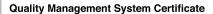
3 Capacity

Value = Capacity (Btu/h) x 1/1000e.g. 18.000 Btu/h x 1/1000 = 18



4 Type
K: Wall-Mounted Type

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Certified to ISO 9001: 2008 Panasonic HA Air-Conditioning (M) Sdn.Bhd. Cert. No.: MY-AR 1010



Certified to ISO 9001: 2008

Panasonic Home Appliances Air-Conditioning (Guangzhou) Co., Ltd. Registration Number: 01209Q20645R5L

Environmental Management System Certificate







Certified to ISO 14001: 2004

Panasonic HA Air-Conditioning (M) Sdn. Bhd. Cert. No.: MY-ER0112

Certified to ISO 14001: 2004



Standard Warranty



Panasonic Customer care centre 132600

For further information or location of your nearest Panasonic stockist please telephone Panasonic's Customer Care Centre on 132600.

Visit our website at: panasonic.com.au or email our Customer Care Centre on paccc@au.panasonic.com

Panasonic leads the way... with "eco ideas"

'eco ideas' for Lifestyles

We will promote lifestyles with virtually zero CO2 emissions all throughout the world

'eco ideas' for Business-styles

We will create and pursue a business-style which makes the best use of resources and energy

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