



ADELCO
SolarCool



Solar Powered
Air-Conditioning
Solutions

Comforting your surroundings.



Solar Air-conditioners

Quality and reliability

When it comes to preserving a comfortable temperature inside your home, having the right air-conditioning system is needed. However, while most units will draw a considerable amount of power and run up the cost to your electric bill, a solar air-conditioning system will actually help cut your utility bills while providing your home with the cool temperatures it needs.

The system utilises the ambient temperature to create thermal energy which preheats the ozone friendly R410A gas, assisting the cooling process of the air-conditioning system. So it even works at night! This substantially reduces the electrical consumption required to run the compressor, resulting in savings of an average of up to 67%* on electricity costs.

ADELCO SOLAR COOL products are of the highest quality available in Srilanka today. Each product has been assembled under strict control standards using the best materials available including galvanised steel enclosures for outdoor housings. ADELCO SOLAR COOL painstaking testing procedures not only test units in harsh climate conditions but also for longevity – resulting in a reliable and sound long term investment. ADELCO SOLAR COOL has one of the best Energy Efficient Ratings of all air-conditioning systems available in Srilanka and is backed with a 3 year warranty.

Each distributor in our Srilanka-wide network has been carefully selected to complement ADELCO SOLAR COOL premium brand focus on quality, longevity and a totally satisfying customer service experience.











When dealing with any ADELCO SOLAR COOL distributor, you also receive a customer satisfaction commitment from ADELCO, assuring peace of mind that you have invested in the best quality product, installation and service in the industry.



Having solar air-conditioning is powerful automation that will certainly keep you cool in temperature when seeing your lower electricity bill as well.

SAVE
67%*
ON YOUR MONTHLY COOLING BILLS
 * AVERAGE

- Quick Start Up
- Highly Efficient
- Low System Noise Inside / Outside House

 180sine wave DC inverter technology	 150V-260V Wide-voltage operation	 Power factor correction technology	 Precise temperature control with ±0.5°C	 ±1°C low temperature start
 Automatic Sleep timer	 Intelligent dehumidification	 Programmable ON & OFF timer	 Power failure and memory function	 Digital E Key Button for convenient Operation

ADELCO HYBRID SOLAR AIR-CONDITIONING DC INVERTER SERIES

ADELCO SOLAR COOL DC inverter series Inverters provide a range of benefits over conventional start/stop systems.

- Quick and efficient adjustment of the room temperature to reach the set temperature
- Elimination of temperature fluctuations associated with traditional start/stop systems
- Greatly reduced system noise both inside and outside the home



Solar Air-conditioners

Air-conditioning is one of the most significant costs to households. Whilst it definitely makes life more comfortable, rapidly escalating power costs are making air-conditioning in many homes a luxury. Not any more! Introducing ADELCO SOLAR COOL Hybrid Solar Air-Conditioning System. Using cutting edge hybrid technology, this air-conditioning system uses a combination of thermal energy and mains electricity, effectively reducing operating costs and power bills.

The system utilises the ambient temperature to create thermal energy which preheats the ozone friendly R410A gas, assisting the cooling process of the air-conditioning system. So it even works at night! This substantially reduces the electrical consumption required to run the compressor, resulting in savings of an average of up to 67%* on electricity costs.

How ADELCO Solar cool works



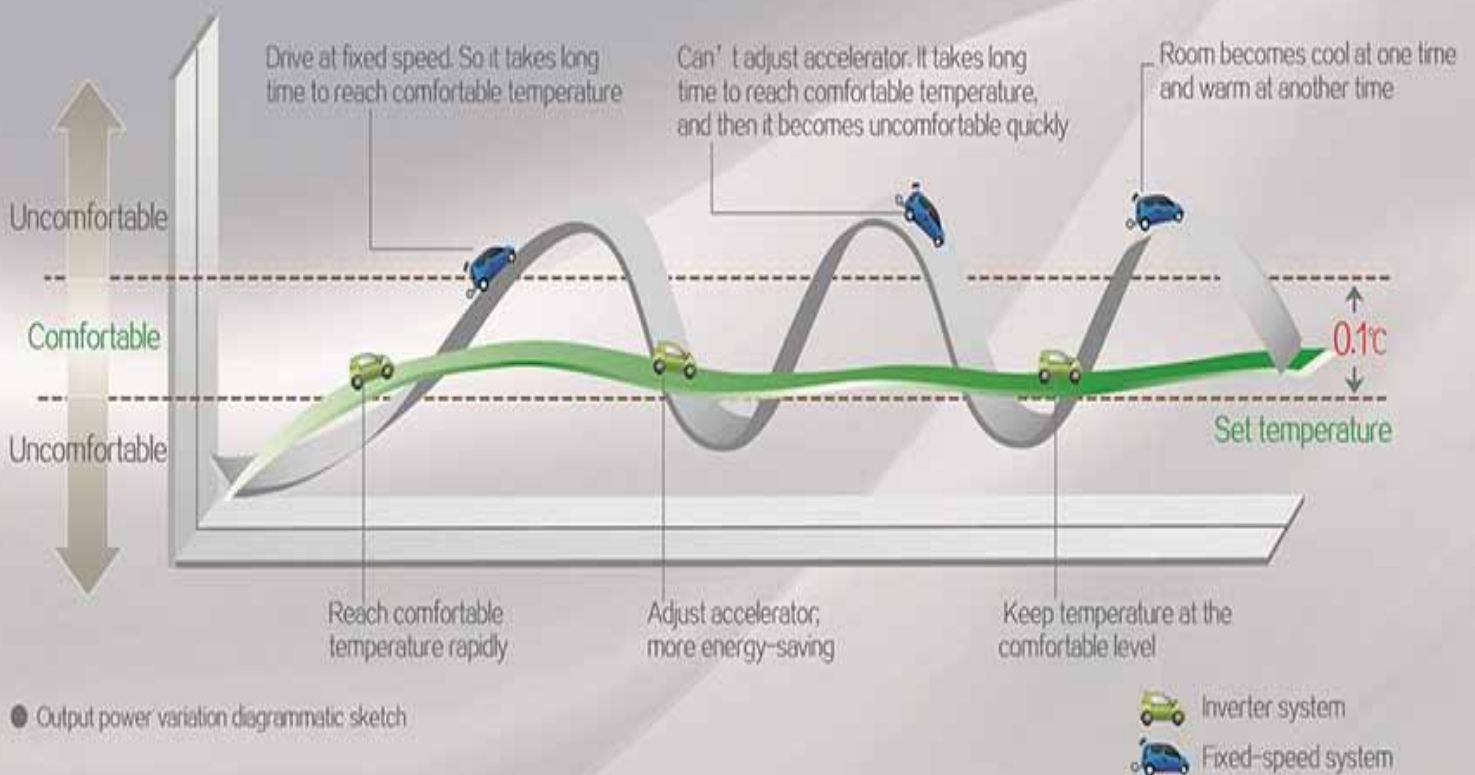


DC INVERTER TECHNOLOGY



Significantly lower running costs compared with conventional systems

How Inverter Saves Energy



Faster Cooling



Precise Temp Control



Energy Saving



Eco-friendly Refrigerant



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Discover the benefits ADELCO SOLAR COOL provides:

- Overall running costs are greatly reduced when compared to conventional split system air-conditioners
- Backed by ADELCO SOLAR COOL 3 year warranty
- Exclusive hybrid engineering provides the dual benefit of free energy from the sun with back-up from mains power
- ADELCO SOLAR COOL system can operate in ambient temperatures, at night on cloudy or rainy days
- Excellent EER (Energy Efficiency Rating)
- Ozone- friendly refrigerant “R401A”
- Your family’s contribution towards reducing carbon (greenhouse emissions) into the atmosphere
- Conventional air-conditioning systems have been identified as a major contributor to environmental pollution
- World famous compressor

Wall-mounted Series



Power Supply			220V/50Hz/60Hz	220V/50Hz/60Hz	220V/50Hz/60Hz	220V/50Hz
Performance						
Capacity	Cooling	Btu/h	24000	36000	41000	48000
		W	7000(2000-8000)	10000(2500-11000)	12000(3500-13000)	14000(3500-15000)
Noise	Indoor	db(A)	<48	<52	<52	<54
	Outdoor	db(A)	<56	<65	<65	<66
Air Circulation		m ³ /h	1250	1350	1350	1500
Suitable Area		m ²	30-45	45-70	50-80	50-80
EER		W/W	3.69	3.5	3.42	3.47
cop		W/W	3.52	3.66	3.56	3.44
Power						
Input power	Cooling	W	1900(500-2750)	2850(700-3850)	3500(700-4250)	4030(1500-5000)
	Heating	W	2050(500-2380)	3000(700-3600)	3650(700-4150)	4210(1500-4900)
Rated Current	Cooling	A	8.63	12.95	15.91	18.31
	Heating	A	9.32	13.63	16.59	19.13
Dimensions						
Indoor Unit	Net	mm	1300*335*260	1300*335*260	1300*335*260	1300*335*260
Outdoor Unit	Net	mm	910*310*1330	910*310*1330	910*310*1330	910*340*1330
Weight						
Indoor Unit	Net	kg	23/27	23/27	23/27	25/29
Outdoor Unit	Net	kg	122/130	125/133	128/135	130/138
Attachments						
Dimensions	Net	mm	1000*550*87	1000*550*87	1000*550*87	1000*550*87
Weight	Net	kg	14/16	14/16	14/16	14/16

Power Supply			220V/50Hz/60Hz	220V/50Hz/60Hz	220V/50Hz/60Hz	220V/50Hz/60Hz
Performance						
Capacity	Cooling	Btu/h	9000	12000	18000	24000
		W	2600(900-3000)	3500(1000-4000)	5000(2000-5600)	7000(2000-8000)
Noise	Indoor	db(A)	<40	<43	<45	<48
	Outdoor	db(A)	<50	<54	<56	<56
Air Circulation		m ³ /h	500	750	1000	1250
Suitable Area		m ²		15-25	25-40	30-45
EER		W/W	4.06	3.72	3.84	3.69
cop		W/W	4.28	3.88	3.77	3.52
Power						
Input power	Cooling	W	640(200-880)	940(250-1150)	1300(620-1750)	1900(500-2750)
Rated Current	Cooling	A	2.9	4.27	5.91	8.63
Dimensions						
Indoor Unit	Net	mm	795*285*215	990*330*200	1090*330*230	1090*330*230
Outdoor Unit	Net	mm	760*255*525	850*290*580	865*310*710	910*310*810
Weight						
Indoor Unit	Net	kg	11.5/15	15/18.5	18/22	19/23
Outdoor Unit	Net	kg	39/43	56/61	65/70	82/88
Attachments						
Dimensions	Ne	mm	1000*550*87	1000*550*87	1000*550*87	1000*550*87
Weight	Net	kg	14/16	14/16	14/16	14/16

Cassette Series



Power Supply			220V/50Hz	380V/50Hz
Performance				
Capacity	Cooling	Btu/h	36000	48000
		W	10000(2500-11000)	14000(3500-15000)
Noise	Indoor	db(A)	<52	<54
	Outdoor	db(A)	<65	<66
Air Circulation		m ³ /h	1350	1500
Suitable Area		m ²	45-70	50-80
EER		W/W	3.38	3.43
cop		W/W	3.61	3.42
Power				
Input power	Cooling	W	2950(700-3850)	4080(1500-5000)
		A	13.4	18.54
Dimensions				
Indoor Unit	Net	mm	840*840*285	840*840*285
		mm		
Panel Unit	Net	mm	950*950*45	950*950*45
		mm		
Outdoor Unit	Net	mm	910*310*1330	910*310*1330
		mm		
Weight				
Indoor Unit	Net	kg	45/52	55/62
Outdoor Unit	Net	kg	125/133	130/138
Attachments				
Dimensions	Net	mm	1000*550*87	1000*550*87
Weight	Net	kg	14/16	14/16

Power Supply			220V/50Hz	220V/50Hz	220V/50Hz
Performance					
Capacity	Cooling	Btu/h	12000	18000	24000
		W	3500(1000-4000)	5000(2000-5600)	7000(2000-8000)
Noise	Indoor	db(A)	<43	<45	<48
	Outdoor	db(A)	<54	<56	<56
Air Circulation		m ³ /h	750	1000	1250
Suitable Area		m ²	15-25	25-40	30-45
EER		W/W	3.62	3.73	3.69
cop		W/W	3.84	3.77	3.52
Power					
Input power	Cooling	W	965(250-1200)	1340(650-1850)	1950(500-2850)
		A	4.39	6.09	8.86
Dimensions					
Indoor Unit	Net	mm	960*572*240	1290*572*240	1600*572*240
		mm			
Outdoor Unit	Net	mm	850*290*580	910*340*810	910*340*1330
		mm			
Weight					
Indoor Unit	Net	kg	28/33	45/50	50/55
Outdoor Unit	Net	kg	56/61	65/70	122/130
Attachments					
Dimensions	Net	mm	1000*550*87	1000*550*87	1000*550*87
Weight	Net	kg	14/16	14/16	14/16

Ceiling/Floor Series



Power Supply			220V/50Hz	220V/50Hz	220V/50Hz
Performance					
Capacity	Cooling	Btu/h	12000	18000	24000
		W	3500(1000-4000)	5000(2000-5600)	7000(2000-8000)
Noise	Indoor	db(A)	<43	<45	<48
	Outdoor	db(A)	<54	<56	<56
Air Circulation		m ³ /h	750	1000	1250
Sullable Area		m ²	15-25	25-40	30-45
EER		W/W	3.64	3.79	3.66
cop		W/W	3.84	3.74	3.52
Power					
Input power	Cooling	W	960(250-1200)	1320(650-1850)	1910(500-2850)
		W			
Rated Current	Cooling	A	4.36	6	8.68
		A			
Dimensions					
Indoor Unit	Net	mm	905*673*243	1288*673*243	1672*673*243
		mm			
Outdoor Unit	Net	mm	850*290*580	910*340*810	910*310*1330
		mm			
Weight					
Indoor Unit	Net	kg	32/38	42/48	48/55
Outdoor Unit	Net	kg	56/61	65/70	122/130
Attachments					
Dimensions	Net	mm	1000*550*87	1000*550*87	1000*550*87
Weight	Net	kg	14/16	14/16	14/16
Power Supply			220V/50Hz	220V/50Hz	220V/50Hz
Performance					
Capacity	Cooling	Btu/h	36000	41000	48000
		W	10000(2500-11000)	12000(3500-13000)	14000(3500-15000)
Noise	Indoor	db(A)	<52	<52	<54
	Outdoor	db(A)	<65	<65	<66
Air Circulation		m ³ /h	1350	1350	1500
Sullable Area		m ²	45-70	50-80	50-80
EER		W/W	3.38	3.41	3.34
cop		W/W	3.61	3.58	3.4
Power					
Input power	Cooling	W	2950(700-3850)	3515(700-4250)	4180(1500-5000)
		W			
Rated Current	Cooling	A	13.4	15.98	19
		A			
Dimensions					
Indoor Unit	Net	mm	1672*673*243	1672*673*243	1672*673*243
		mm			
Outdoor Unit	Net	mm	910*310*1330	910*310*1330	910*310*1330
		mm			
Weight					
Indoor Unit	Net	kg	52/59	53/60	55/62
Outdoor Unit	Net	kg	125/133	128/135	130/138
Attachments					
Dimensions	Net	mm	1000*550*87	1000*550*87	1000*550*87
Weight	Net	kg	14/16	14/16	14/16

Duct Series



Power Supply			220V/50Hz	220V/50Hz	220V/50Hz
Performance					
Capacity	Cooling	Btu/h	12000	18000	24000
		W	3500(1000-4000)	5000(2000-5600)	7000(2000-8000)
Noise	Indoor	db(A)	<43	<45	<48
	Outdoor	db(A)	<54	<56	<56
Air Circulation		m ³ /h	750	1000	1250
Suitable Area		m ²	15-25	25-40	30-45
EER		W/W	3.62	3.73	3.59
cop		W/W	3.84	3.77	3.52
Power					
Input power	Cooling	W	965(250-1200)	1340(650-1850)	1950(500-2850)
	Rated Current	A	4.39	6.09	8.86
Dimensions					
Indoor Unit	Net	mm	960*572*240	1290*572*240	1600*572*240
	Outdoor Unit	Net	mm	850*290*580	910*340*810
Weight					
Indoor Unit	Net	kg	28/33	45/50	50/55
Outdoor Unit	Net	kg	56/61	65/70	122/130
Attachments					
Dimensions	Net	mm	1000*550*87	1000*550*87	1000*550*87
Weight	Net	kg	14/16	14/16	14/16
Power Supply					
			220V/50Hz	220V/50Hz	220V/50Hz
Performance					
Capacity	Cooling	Btu/h	36000	41000	48000
		W	10000(2500-11000)	12000(3500-13000)	14000(3500-15000)
Noise	Indoor	db(A)	<52	<52	<54
	Outdoor	db(A)	<60	<65	<66
Air Circulation		m ³ /h	1800	1350	1500
Suitable Area		m ²	50-80	50-80	50-80
EER		W/W	3.47	3.39	3.37
cop		W/W	3.48	3.54	3.42
Power					
Input power	Cooling	W	2880(700-3850)	3535(700-4250)	4150(1500-5000)
	Rated Current	A	13.09	16.06	18.86
Dimensions					
Indoor Unit	Net	mm	1600*572*240	1600*572*240	1600*572*240
	Outdoor Unit	Net	mm	910*340*1330	910*340*1330
Weight					
Indoor Unit	Net	kg	54/59	56/61	60/65
Outdoor Unit	Net	kg	125/133	128/135	130/138
Attachments					
Dimensions	Net	mm	1000*550*87	1000*550*87	1000*550*87
Weight	Net	kg	14/16	14/16	14/16

Floor Standing Series



Power Supply			220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz
Performance						
Capacity	Cooling	Btu/h	18000	24000	36000	41000
		W	5000(2000-5600)	7000(2000-8000)	10000(2500-11000)	12000(3500-13000)
Noise	Indoor	db(A)	<45	<48	<52	<52
	Outdoor	db(A)	<56	<56	<65	<65
Air Circulation		m ³ /h	1000	1250	1350	1350
Suitable Area		m ²	25-40	30-45	45-70	50-80
EER		W/W	3.77	3.65	3.41	3.46
cop		W/W	3.75	3.55	3.59	3.59
Power						
Input power	Cooling	W	1325(650-1850)	1920(500-2850)	2930(700-3850)	3470(700-4250)
Rated Current	Cooling	A	6.02	8.72	13.31	15.77
Dimensions						
Indoor Unit	Net	mm	540*280*1785	540*350*1785	540*350*1785	540*350*1785
Outdoor Unit	Net	mm	865*310*810	910*310*1330	910*310*1330	910*310*1330
Weight						
Indoor Unit	Net	kg	45/53	53/61	56/64	60/68
Outdoor Unit	Net	kg	65/70	122/130	125/133	125/133
Attachments						
Dimensions	Net	mm	1000*550*87	1000*550*87	1000*550*87	1000*550*87
Weight	Net	kg	14/16	14/16	14/16	14/16

180sine wave DC Inverter technology	150V-260V Wide-voltage operation	Power factor correction technology	Precise temperature control with +0.5C	-15C low temperature start
Automatic Sleep timer	Intelligent dehumidification	Progammable ON & OFF timer	Power failure and memory function	Digital E Key Button for convenient Operation



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