

INSOLA



Solar Air-Conditioner

SSA 1.5P-3P/HB



Lower Your Electricity Bills

Significantly reduce your monthly energy costs by harnessing free solar energy.



Low Noise Operation

Designed for quiet performance, ensuring a peaceful and comfortable living space.



Wi-Fi Control with Smart App & Power Monitoring

Minimize your environmental impact by using clean, renewable solar energy.



Improved indoor Air Quality

Advanced filtration systems for a healthier indoor environment.



Reduced Carbon Footprint

Minimize your environmental impact by using clean, renewable solar energy.



100% Energy Saving During Daytime

Operates entirely on solar power during daylight hours.

AC/DC Hybrid DC Inverter type Solar Air-Conditioner

Model No.			SSA-1.5P/HB	SSA-2P/HB	SSA-3P/HB
Ton			1 Ton	1.5 Ton	2 Ton
HP			1.5 HP	2 HP	3 HP
AC power voltage			220V150/60HZ		
DC power voltage			DC90-380V		
DC power curent			<13A		
Performance					
Capacity	Cooling	Btu/h	12000(3200-12600)	18000(5100-19500)	24000(6800-25600)
		W	3400(1000-3770)	5100(1250-5910)	7030(1990-7500)
	Heating	Btu/h	13000(3200-12600)	20000(5100-19500)	26000(6800-25600)
		W	3700(1000-3900)	6000(1250-6100)	6000(1250-6100)
Capacity	Indoor	dB(A)	≤42	≤44	≤46
	Outdoor	dB(A)	≤52	≤55	≤58
Air Circulation		m³/h	550	750	1050
Suitable Area		m²	12~25	20~35	25~45
EER		W/W	4.5	4.5	4.4
SEER		Btu/h/w	34	34	33
HSPF		Btu/h/w	6	4.9	4.8
Operating Range		C/F	16C-31C/5F-122F		
Design pressure		PSI	550/340		
Refrigerant Oil			VG74		
Refrigerant			R410A/R32		
Compressor		Model	C-1R089HAL	C-1R133H9AL	C-146H82AHI
		Type	Twin-Rotray	Twin-Rotray	Twin-Rotray
		Brand	Sanyo		
Indoor Fan motor			BLDC-20W	BLDC-30W	BLDC-40W
Outdoor Fan motor			BLDC-28W	BLDC-50W	BLDC-70W
Liquid side / Gas side			1/4" / 3/8"	1/4" / 1/2"	1/4" / 5/8"
DC Connection / Wire			MC4/AWG 10/12	MC4/AWG 10/12	MC4/AWG 10/12
Power Consumption					
Rated Power Input		W	0-700	0-950	0-1350
Rated Current		A	0-3.82	0-4.32	0-5.68
Dimension					
Indoor Unit	NET	mm	785*275*195	985*300*220	985*300*220
	Shipping	mm	860*325*265	1080*380*300	1080*380*300
Outdoor Unit	NET	mm	790*260*540	850*290*580	865*310*710
	Shipping	mm	910*370*610	995*390*650	1025*395*790
Weight					
Indoor Unit	Net/Gross	kg	13/15	17/19	19/21
Outdoor Unit	Net/Gross	kg	45/48	48/55	56/62
Solar panels Configuration		Optional	4*410W	5*410	7*410
Container load quantity					
Indoor Unit	SET	SET	100	75	50
Outdoor Unit	SET	SET	225	165	125

Applications



Homes



Offices



Villas



Apartments



Malls