



Core Technology:

- 1、Work without electricity or mix power
- 2、Energy saving can reach 100%
- 3、Automatic switching of DC & AC
- 4、APP smart control
- 5、APP smart power meter and data
- 6、T3 tropical 58 degree working
- 7、MC4 connector easy installation
- 8、Double rotary inverter compressor

T3 Hybrid ACDC Solar Air Conditioner (Middle East Market)

ModelUnit		DGWA1-ACDCBLW-12K	DGWA1-ACDCBLW-18K	DGWA1-ACDCBLW-24K
Climate Type	Tropical<= 58	T3	T3	T3
Application area		m212-20	20-30	30-42
Power Supply	AC Power	Ph-V-Hz1Ph 208V-240V/50-60HZ	1Ph 208V-240V/50-60HZ	1Ph 208V-240V/50-60HZ
DC Power (PV in Series)		V80-380V	80-380V	80-380V
DC Power Current		A<=10A	<=10A	<=10A
Advised Solar Panel		Pcs(3-4)*330W in series	(3-6)*330W in series	(3-8)*330W in series
Capacity(T1)		W3510(900-3900)	5070(1200-6000)	6450(1800-7900)
Rated Cooling	Power input(T1)	BTU12000(3000-13300)	17300(4100-20400)	22000(6100-27000)
Capacity(T3)		W940(190-1270)	1400(220-2100)	1790(300-3200)
Power input(T3)		W2910	4290	5130
Rated Heating	Power input	BTU9900	14700	17500
Capacity		W1050	1630	1940
Rated Heating	Power input	W4100(1000-4500)	6100(1200-6800)	7800(1800-9100)
Power input		BTU14000(3000-15300)	20800(4100-23000)	26600(6100-31000)
T1 EER (W/W)/ (BTU/W)		/3.75/12.75	3.60/12.35	3.60/12.30
T3 EER (W/W)/ (BTU/W)		/2.75/9.45	2.65/9.00	2.65/9.00
COP (W/W)/ (BTU/W)		/3.50/11.95	3.45/11.75	3.40/11.60
Dehumidification capacity		L/h1.3	1.7	2.5
Model		/WHP04200	WHP05600	5RD198
CompressorType		/2x ROTARY	2x ROTARY	2x ROTARY
Brand		/Highly	Highly	Panasonic
Indoor fanModel		BLDC-15W	BLDC-45W	BLDC-45W
motorSpeed(Turbo/Hi/Mi/Lo)		r/min1300/1200/1100/950	1050/950/850/750	1350/1250/1150/1000
Indoor air flow(Turbo/Hi/Mi/Lo)		m3/h540/485/435/350	980/880/740/620	1290/1180/1070/900
Indoor noise level (Turbo)		dB(A)42.5	46	50
Dimension(W×H×D)		mm840×205×295	1080×330×237	1080×330×237
Indoor unitPacking (W×H×D)		mm920×290×360	1140×300×382	1140×300×382
Net weight/Gross weight		Kg9.0/12.5	15.0/18.5	15.0/18.5
Outdoor fanModel		/BLDC-40W	BLDC-55W	BLDC-75W
motorSpeed		r/min880	880	850
Outdoor air flow		m3/h2100	2200	3300
Outdoor noise level		dB(A)		
Dimension(W×H×D)		mm802×564×323	802×564×323	900×700×337
Outdoor unitPacking (W×H×D)		mm910×622×405	910×622×405	1006×755×418
Net/Gross weight		Kg33.5/37.5	37/42.0	50/54.5
Refrigerant type		/R410A	R410A	R410A
Max Design pressure		MPa4.3/1.5	4.3/1.5	4.3/1.5
RefrigerantGas side/Liquid side (inch)		inch 3/8 1/4	1/2 1/4	1/2 1/4
copper pipeMax. refrigerant pipe length		m15	20	25
Max. difference in level		m 8	10	10
Drain pipe size		mm16	16	16
Refrigerant connction copper-pipe length		m 3	4	4
Connection wire length		m 4	5	5
Electronic Expansion Valve		/Yes	Yes	Yes
Loading QTY 40" Hq/ 20"GP		Sets200/85	160/75	115/50