Product Parameters:

T1/T3 DC 48V Solar Air Conditioner						
Model			DGA1-DC48V-09K	DGA1-DC48V-12K	DGA1-DC48V-18K	DGA1-DC48V-24K
Climate Type	Tropical</= 58°C		T1/T3	T1/T3	T1/T3	T1/T3
Application area		m2	8-12	12-20	20-30	30-40
Power supply	Battery	DC	DC48V(46~58V)	DC48V(46~58V)	DC48V(46~58V)	DC48V(46~58V)
Rated Cooling	Capacity(T1)	W	2600(1000-3400)	3510(1000-3700)	5070(1200-5250)	6450(2500-7000)
		BTU	9000(3400-11600)	12000(3400-12600)	17300(4100-18000)	22000(8500-23900)
	Power input(T1)	W	680(180-1060)	980(200-1200)	1450(220-1780)	1840(450-2230)
	Capacity(T3)	W	2490	2910	4200	5370
		BTU	8500	9900	14300	18300
	Power input(T3)	W	960	1090	1660	2200
Rated Heating	Capacity	W	2900(800-3050)	3900(1000-4100)	5250(1200-5500)	7000(2000-7350)
		BTU	9900(2700-10400)	13300(3400-14000)	18000(4100-18700)	24000(10200-25000)
	Power input	W	830(160-950)	1130(180-1280)	1400(220-1830)	2050(390-2350)
T1 EER (W/W)/ (BTU/W)		/	3.90/13.20	3.60/12.25	3.50/11.8	3.50/11.85
T3 EER (W/W)/ (BTU/W)		/	2.60/8.90	2.65/9.05	2.55/8.60	2.45/8.30
COP (W/W)/ (BTU/W)		/	3.50/11.90	3.45/11.75	3.75/12.80	3.40/11.70
Dehumidification capacity		L/h	1	1.3	1.7	2.5
Compressor	Model	/	ASK89D53UEZ	ASN98D22UFZ	WHP05600	5RD198
	Type	/	Rotary Inverter	Rotary Inverter	2xRotary Inverter	2xRotary Inverter
	Brand	/	GMCC	GMCC	HIGHLY	Panasonic
Indoor fan motor	Model	/	BLDC 15W	BLDC 15W	BLDC 45W	BLDC 45W
	Speed(Turbo/Hi/Mi/Lo)	r/min	1200/1100/1000/850	1300/1200/1100/950	1050/950/850/750	1350/1250/1150/1000
Indoor air flow(Turbo/Hi/Mi/Lo)		m3/h	485/435/380/305	540/485/435/350	980/880/740/620	1290/1180/1070/900
Indoor noise level (Turbo)		dB(A)	≤40	≤42.5	≤46	≤50
Indoor unit	Dimension(W×H×D)	mm	840×205×295	840×205×295	1080×330×237	1080×330×237
	Packing (W×H×D)	mm	920×290×360	920×290×360	1140×300×382	1140×300×382
	Net weight/Gross weight	Kg	9.0/12.5	9.0/12.5	15.0/18.5	15.0/18.5
Outdoor fan motor	Model	/	BLDC 40W	BLDC 40W	BLDC 55W	BLDC 75W
	Speed	r/min	880	880	880	850
Outdoor coil	a.Number of rows	/	1	2	2	2
	e.Tube outside dia.and type	mm	Φ7,innergroove tube	Φ7,innergroove tube	Φ9.52,innergroove tube	Φ9.52,innergroove tube
Outdoor air flow		m3/h	2000	2100	2200	3300
Outdoor noise level		dB(A)	≤51	≤52	≤55	≤58
Outdoor unit	Dimension(W×H×D)	mm	802×564×323	802×564×323	802×564×323	900×700×337
	Packing (W×H×D)	mm	910×622×405	910×622×405	910×622×405	1006×755×418
	Net/Gross weight	Kg	28.0/32.0	32.0/36.0	36.0/40.0	51/56
Refrigerant type		/	R410a	R410a	R410a	R410a
Max Design pressure (Discharge/Suction)		MPa	4.3/1.5	4.3/1.5	4.3/1.5	4.3/1.1
Refrigerant piping	Gas side/Liquid side (inch)	inch	3/8 1/4	3/8 1/4	1/2 1/4	1/2 1/4
	Max. refrigerant pipe length	m	15	15	20	25
	Max. difference in level	m	8	8	10	10
Drain pipe size		mm	16	16	16	16
Refrigerant pipinglength		m	3	3	4	4
Connection wiring		m	4	4	5	5
Electrical Expansion Valve			Yes	Yes	Yes	Yes
Loading QTY 40" Hq/ 20"GP		Sets	200/85	200/85	160/75	115/50