


**Solar Full DC-Off Grid Air Condition**

Modle No.			DC48V-9K	DC48V-12K
Cooling capacity			9000btu	12000btu
Climate Type	Tropical<= 58°C			
Application area		m2	8-12	12-20
Power supply	Battery	DC	DC48V(46~58V)	DC48V(46~58V)
Rated Cooling	Capacity(T1)	W	2600(1000-3400)	3510(1000-3700)
		BTU	9000(3400-11600)	12000(3400-12600)
	Power input(T1)	W	680(180-1060)	980(200-1200)
	Capacity(T3)	W	2490	2910
		BTU	8500	9900
Rated Heating	Power input(T3)	W	960	1090
	Capacity	W	2900(800-3050)	3900(1000-4100)
		BTU	9900(2700-10400)	13300(3400-14000)
T1 EER (W/W)/ (BTU/W)	/	3.90/13.20	3.60/12.25	
T3 EER (W/W)/ (BTU/W)	/	2.60/8.90	2.65/9.05	
COP (W/W)/ (BTU/W)	/	3.50/11.90	3.45/11.75	
Dehumidification capacity		L/h	1.0	1.3
Compressor	Model	/	ASK89D53UEZ	ASN98D22UFZ
	Type	/	Rotary Inverter	Rotary Inverter
	Brand	/	GMCC	GMCC
Indoor fan motor	Model	/	BLDC 15W	BLDC 15W
	Speed(Turbo/Hi/Mi/Lo)	r/min	1200/1100/1000/850	1300/1200/1100/950
Indoor air flow(Turbo/Hi/Mi/Lo)		m <sup>3</sup> /h	485/435/380/305	540/485/435/350
Indoor noise level (Turbo)		dB(A)	≤40	≤42.5
Indoor unit	Dimension(W×H×D)	mm	840×205×295	840×205×295
	Packing (W×H×D)	mm	920×290×360	920×290×360
	Net weight/Gross weight	Kg	9.0/12.5	9.0/12.5
Outdoor fan motor	Model	/	BLDC 40W	BLDC 40W
	Speed	r/min	880	880
Outdoor coil	a.Number of rows	/	1	2
	tube outside dia.and type	mm	Φ7,innergroove tube	Φ7,innergroove tube
Outdoor air flow		m <sup>3</sup> /h	2000	2100
Outdoor noise level		dB(A)	≤51	≤52
Outdoor unit	Dimension(W×H×D)	mm	802×564×323	802×564×323
	Packing (W×H×D)	mm	910×622×405	910×622×405
	Net/Gross weight	Kg	28.0/32.0	32.0/36.0
Refrigerant type		/	R410a	R410a
Max Design pressure (Discharge/Suction)		MPa	4.3/1.5	4.3/1.5
Refrigerant piping	Gas side/Liquid side (inch)	inch	3/8 1/4	3/8 1/4
	Max. refrigerant pipe length	m	15	15
	Max. difference in level	m	8	8
Drain pipe size		mm	16	16
Refrigerant pipinglength		m	3	3
Connection wiring		m	4	4
Electrical Expansion Valve			Yes	Yes
Loading QTY 40" Hq/ 20"GP		Sets	200/85	200/85



Modle No.			DC48V-18K	DC48V-24K
Cooling capacity			18000btu	24000btu
Climate Type	Tropical<= 58°C		T1/T3	T1/T3
Application area		m2	20-30	30-40
Power supply	Battery	DC	DC48V(46~58V)	DC48V(46~58V)
Rated Cooling	Capacity(T1)	W	5070(1200-5250)	6450(2500-7000)
		BTU	17300(4100-18000)	22000(8500-23900)
	Power input(T1)	W	1450(220-1780)	1840(450-2230)
	Capacity(T3)	W	4200	5370
		BTU	14300	18300
Rated Heating	Power input(T3)	W	1660	2200
	Capacity	W	5250(1200-5500)	7000(2000-7350)
		BTU	18000(4100-18700)	24000(10200-25000)
T1 EER (W/W)/ (BTU/W)	/	3.50/11.8	3.50/11.85	
T3 EER (W/W)/ (BTU/W)	/	2.55/8.60	2.45/8.30	
COP (W/W)/ (BTU/W)	/	3.75/12.80	3.40/11.70	
Dehumidification capacity	L/h		1.7	2.5
Compressor	Model	/	WHP05600	5RD198
	Type	/	2xRotary Inverter	2xRotary Inverter
	Brand	/	HIGHLY	Panasonic
Indoor fan motor	Model	/	BLDC 45W	BLDC 45W
	Speed(Turbo/Hi/Mi/Lo)	r/min	1050/950/850/750	1350/1250/1150/1000
Indoor air flow(Turbo/Hi/Mi/Lo)	m <sup>3</sup> /h		980/880/740/620	1290/1180/1070/900
Indoor noise level (Turbo)	dB(A)		≤46	≤50
Indoor unit	Dimension(W×H×D)	mm	1080×330×237	1080×330×237
	Packing (W×H×D)	mm	1140×300×382	1140×300×382
	Net weight/Gross weight	Kg	15.0/18.5	15.0/18.5
Outdoor fan motor	Model	/	BLDC 55W	BLDC 75W
	Speed	r/min	880	850
Outdoor coil	a.Number of rows	/	2	2
	tube outside dia.and type	mm	φ9.52,innergroove tube	φ9.52,innergroove tube
Outdoor air flow	m <sup>3</sup> /h		2200	3300
Outdoor noise level	dB(A)		≤55	≤58
Outdoor unit	Dimension(W×H×D)	mm	802×564×323	900×700×337
	Packing (W×H×D)	mm	910×622×405	1006×755×418
	Net/Gross weight	Kg	36.0/40.0	51/56
Refrigerant type	/		R410a	R410a
Max Design pressure (Discharge/Suction)	MPa		4.3/1.5	4.3/1.1
Refrigerant piping	Gas side/Liquid side (inch)	inch	1/2 1/4	1/2 1/4
	Max. refrigerant pipe length	m	20	25
	Max. difference in level	m	10	10
Drain pipe size	mm		16	16
Refrigerant pipinglength	m		4	4
Connection wiring	m		5	5
Electrical Expansion Valve			Yes	Yes
Loading QTY 40" Hq/ 20"GP	Sets		160/75	115/50