

**Technical Specification for Senenergy DC solar air conditioner, 9K BTU Freedom HVAC**

ITEM NO. Model #	FTKD25DVMA –(9K-BTU) SMSP-9K-DC
Electric shock protecting	1 category
Waterproof Class	IPX4
Power supply	24/48 VDC
Cooling Capacity(W) (min-max)	2,500(1,310-3,000)
Cooling Capacity (BTU)	8,500(4,400-10,200)
Controller power (MAX)	230/400w
<b>Input power(W) Average</b>	300
Heating Capacity(W)	500(130-1200)
Heating capacity (BTU)	11,600(4,400-13,650)
Front panel color	Whit
Charge Controller	12/24- 20/40 amp
Charger watt capacity	750/1500
Charger	100-230AC Input 24/48DC Out put
Inverter/Adapter Out put	300VDC-3000Watt & 220VAC-500W-50Hz
<b>DC Amp average</b> (24Vdc) (1/2 of on 48)	20
DC amp (Min – Max)	10-30
cycle air capacity(cooling/heating)(CFM)	332
Liquid charge (Refrigerant) – 410a (g)	900 (0.9Kg)
Design Pressure (High)	
Design Pressure (Low)	
indoor Noise(cooling/heating)(db(A))	37/25
Outdoor Noise(cooling/heating)(db-A)	47/43
Maximum pipe length m	20
Maximum height difference m	15
Indoor unit N.G(kg)	10
Outdoor unit N.G(kg)	33
Indoor unit Dimensions(mm) H/W/D	398*780*228
Outdoor unit Dimensions(mm)	550*800*285
Indoor unit Package Dimensions(mm)	445*873*320
Outdoor unit Package Dimensions(mm)	615*977*358
Solar Panels Watt Min (Optimum-Max)	400 (500-650)
Batteries 100Ah 12V Min (Average-Max)	2(4-6)
COP Average	Up to 5.5