

# VOLTOVA Solar Multi Split System-Hybrid ACDC

CB



Hybrid Solar



DC Inverter



Max Efficiency  
DC-driven



Auto  
Restart



180° sine wave  
controller  
technology



Preheat  
Function



Energy  
Efficient



WIFI  
control



Hybrid  
Solar



100% Eco Up to  
100% Saving in  
day time



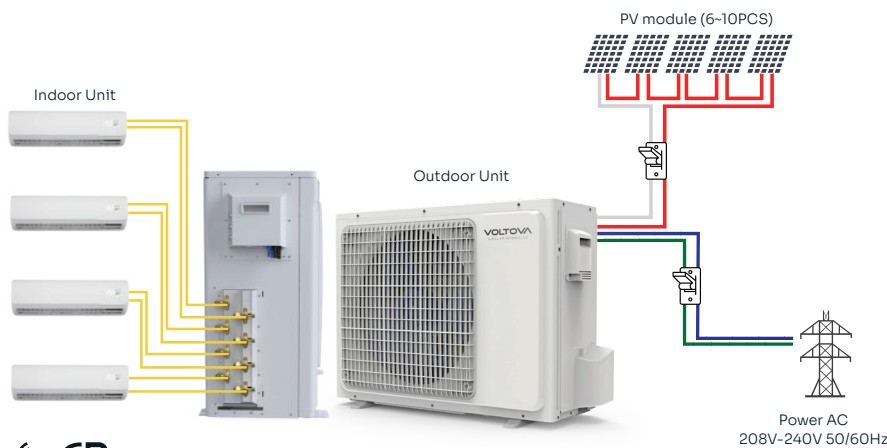
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[www.voltova.co](http://www.voltova.co)

**VOLTOVA**  
SOLAR HYBRID AC

Specification		27K		36K			
DC INVERTER		Model		DX-VRA27-HYBAC-ABD-27K		DX-VRA36-HYBAC-CKM-36K	
System Format			1 drive 3		1 drive 4		
Power Supply AC			AC220-240/1/50		AC220-240/1/50		
"Power Supply AC DC PV String Input Data"	Voc		DC 150-410V		DC 220-240/1/50		
	Max. PV (DC) Input Current (A)		13A		13+13A		
	Max. PV ISC(A)		22A		22+22A		
	No.of MPP Trackers		1		1		
	No.of Strings per MPP Tracker		1		2		
Capacity	Cooling	Btu/h	27000 (7800-29700)		35800 (8500-41300)		
		kw	7.9 (2.3-8.70)		10.5 (2.5-12.1)		
	Heating	Btu/h	28000 (8400-31000)		37500 (9100-41000)		
		kw	8.2 (2.46-9.09)		11.0 (2.67-12.0)		
Electric Data	Cooling Power Input	W	2440 (560-3400)		3250 (680-3750)		
	Heating Power Input	W	2210 (560-3400)		2890 (530-3200)		
	Rated Current (cooling)	A	10.72		14.28 A		
	Rated Current (heating)	A	9.71		12.71 A		
Performance	SEER/SCOP	W/W	6.1/4.0		6.15/4.0		
	Energy Rate		A++/A+		A+/A+		
	EER/COP	W/W	3.23/3.71		3.23/3.80		
	Sound Pressure Noise Level	dB(A)	58		60		
Dimension	Net (W*D*H)	mm	888x318x700		942*375*844		
	Packing (W*D*H)	mm	1006*418*755		1085*430*1035		
Weight	Net/Gross	kg	52.5/56.5		87/74		
Piping	Liquid Side	mm(inch)	3x6.35 (1/4)		4x6.35 (1/4)		
	Gas Side	mm(inch)	3x9.52 (3/8)		4x9.52 (3/8)		
	Max.length for all rooms (m)	m	60		80		
	Max.length for one IDU (m)	m	30		35		
	Max.height difference between IDU and OU (m)	m	15		15		
	Max.height difference between IDUs (m)	m	10		10		
Ambient Temp (Cooling/Heating)		°C	-15-52°C/-15-24°C		-15-52°C/-15-24°C		

Specification				9K		12K		18K		24K	
Model		Indoor		DXU-VRA09-HYBAC-09K2		DXU-VRA10-HYBAC-12K2		DXU-VRA15-HYBAC-18K2		DXU-VRA20-HYBAC-24K2	
Capacity	Cooling	Btu/h		9000		12000		17100		24000	
	Heating	Btu/h		9550		12300		17550		24000	
Electric Data	Power Supply	V		DC 290-380V		DC 290-380V		DC 290-380V		DC 290-380V	
	Power Input	W		20		20		50		64	
Performance	Air Flow Volume	CFM		365		365		559		1300	
		m3/h		620		620		950		50	
	Sound Pressure Noise Level	dB(A)		42.5		42.5		46		50	
Dimension	Net (W*H*D)	mm		840*205*295		840*205*295		952*310*231		1080*330*237	
	Packing(W*H*D)	mm		920*290*360		920*290*360		1045*376*326		1140*382*300	
Weight	Net	kg		9.5		9.5		12		15	
	Gross	kg		11.8		11.8		15		17.5	
Pipe Diameter	Liquid Side	mm(inch)		6.35(1/4)		6.35(1/4)		6.35(1/4)		6.35(1/4)	
	Gas Side	mm(inch)		9.52(3/8)		9.52(3/8)		12.7(1/2)		12.7(1/2)	
	Drainage	mm		16.9		16.9		16.9		16.9	



27K Outdoor 3 Zones Indoor Maximum			
1 units	2 units	3 units	
18	12+12	9+9+9	
-	12+18	9+9+18	
-	18+18	12+12+12	

36K Outdoor 4 Zones Indoor Maximum			
2 units	3 units	4 units	
12+12	12+12+12	9+9+9+9	
12+18	12+12+18	12+12+12+12	
12+24	12+12+24	12+12+12+18	
18+18	-	12+12+12+24	
18+24	-	-	

