



DEVSOL

Hybrid solar air conditioner

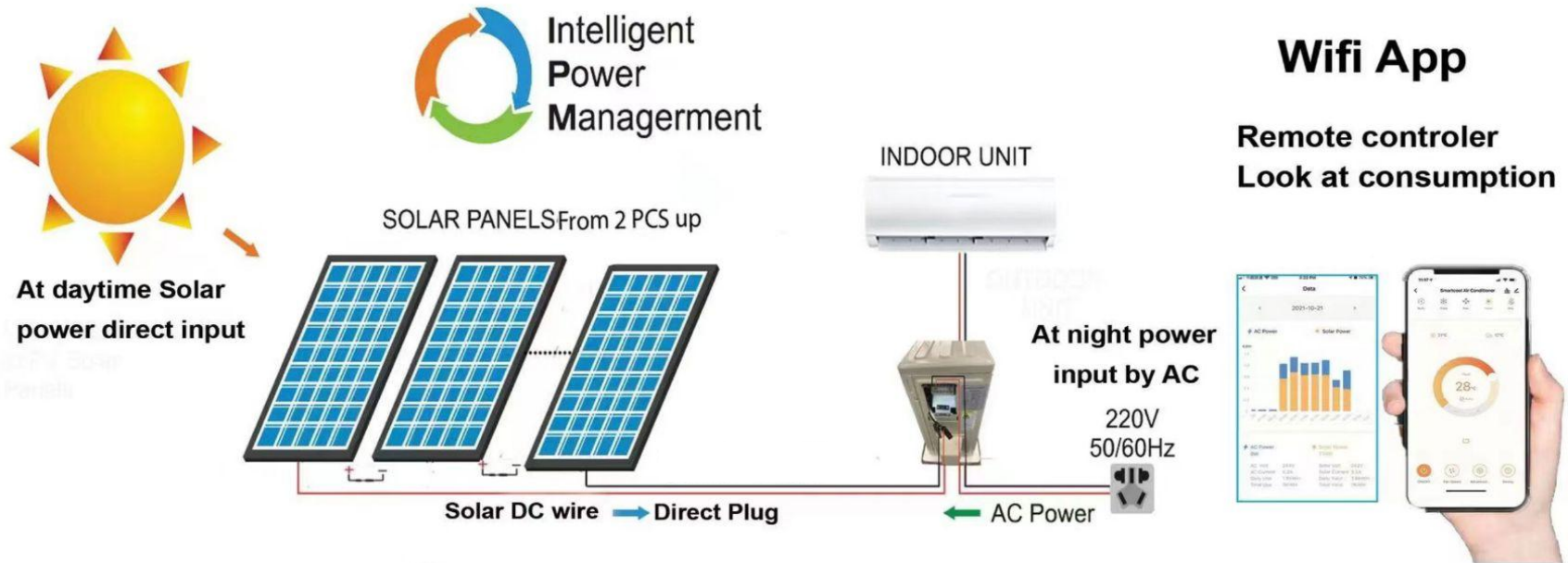
With Full DC inverter Air Conditioner

enjoy saving reach to 40%



Working principle of solar air conditioner

Up to **Zero** Power consuming during daytime, and saving up **40%** at night



Hybrid ACDC : On grid /Off grid/ Mix Power

Hybrid ACDC solar air conditioner integrated system

Outdoor integrated design

- 1/ DC Inverter air conditioner **main controller**
- 2/ **MPPT** PV power controller

3/ AC power connector

4/ DC PV panel **MC4 connector**



100% COPPER



SOLAR PANEL
CABLE



WIFI CAPABLE



HOT & COOL
OPERATION



BUILT-IN SOLAR
INVERTER



PCB Board



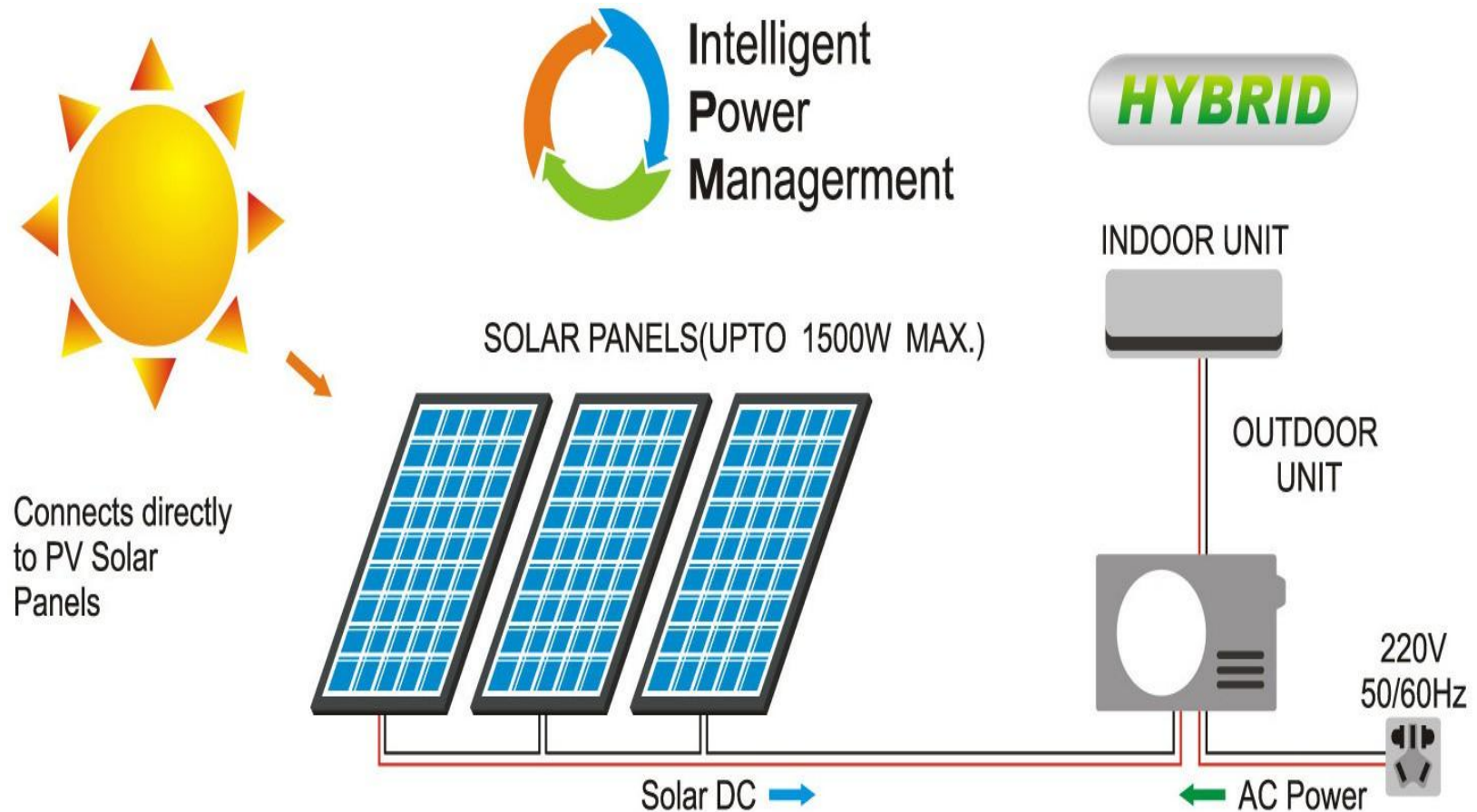
power supply
220V + MC4 Solar Terminal

Comparison between hybrid AC VS Normal AC

DC inverter air conditioner **VS** Hybrid ACDC solar air conditioner

	DC inverter air conditioner	Hybrid Solar air conditioner
AC Power supply(220V 50/60HZ)	√	√
DC Power supply (145VDC-280VDC)	×	√
AC+DC Mix Power	×	√
No electricity can works	×	√
App smart control	√	√
App smart power meter	×	√
Soft power start	√	√
Average Energy saving	0-20%	80%-100%

Installation of Air conditioner



How to select Number of Solar Panel

		Nx1x sol ultra	Nx2x sol Ultra
DC Power request	DC	145V-280V	145V-280V
DC power current	A	$\leq 10A$	$\leq 10A$
Cooling Power Consumption	W	900	1400
Solar panel 500w to 550w	PCS	3	3-4
Connecting Way		In Series	In Series

Model Name		Model	NX1X SOL ULTRA		NX2X SOL ULTRA	
		Type	SAC		SAC	
		Chassis	i3 + A20_A		i2 + A20_A	
			FL	HL	FL	HL
Performance	Cooling Capacity	W	3400	1710	5000	2500
		btu/hr	13226	5835	19450	8530
	Power Consumption	W	880	350	1325	490
	Rated Current	A	3.8	1.9	5.8	2.7
	ISEER		5.15		5.15	
	Frequency	Hz	50Hz		50Hz	
	Operating Voltage	V	220-240		220-240	
Compressor	Make		GMCC		GMCC	
	Model		KSN98D34UFZ		KSN108D43UFZA	
Indoor Coil /EVA - 7mm	Row		2R , i3		2R , i2	
	Hair Pins		15		15	
	Fin colour		Blue		Blue	
Indoor Air Flow	Turbo	CMH	750		1050	
Indoor Noise(Hi/Low Speed)		dBA	44/42		49/43	
Fan Motor	Make		ZKFP-45-8-113L-1		ZKFP-45-8-113L-1	
	Type		BLDC		BLDC	
	Power (Output)	W	45		45	
	Capacitor	mfd				
	Speed(Hi/Mi/Lo)	RPM	900		900	
Condenser	Row		1R		2R	
	Tube Dia		5mm		5mm	
	Hair Pins		16		32	
	Fin colour		Bare		Bare	
Outdoor Noise Level		dBA	60		60	
Product Dimensions	Net Dim(W * D * H)	mm	780*281*557 (A20_A)		780*281*557 (A20_A)	
	Packing Dim(W * D * H)	mm	925*395*605		925*395*605	
Refrigerant Type			R32		R32	
Ambient Operating Range		°C	52°		52°	
Costing Specs	Chassis		A20_A		A20_A	
	Compressor		KSN98D34UFZ		KSN108D43UFZA	
	Evaporator		2R, 7mm, 15HP , 19FPI , 0.21 IGT		2R, 7mm, 15HP , 19FPI , 0.22 IGT	
	Condenser		1R, 5mm, 16HP , 19FPI , 0.2 IGT ,Bare		2R, 5mm, 32HP , 19FPI , 0.2 IGT ,Bare	
	Motor		ZKFP-45-8-113L-1		ZKFP-45-8-113L-1	
	Controller		1.5T INV Solar Hybrid Controller		1.5T INV Solar Hybrid Controller	
	Other		Service valve (1/2 & 1/4) & Capillary		Service valve (1/2 & 1/4) & EEV	