



Solar Hybrid Power AC



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Gree's latest technology of converting solar energy to power supply of air conditioner, making your home more comfortable with less power consumption.

- * Based on PV (Photovoltaic) power generating tech
- * Energy saving up to 97%
- * Unique PSCM (Power Supply Control Module)
- * Piping Kit 15 Feet

- * Max power input is 1150W (10 AMP)
- * Reduce 257.5Kg carbon emission (100% solar)
- * Gold Fin Condenser Coil
- * Photocatalytic Filter
- * Galvanized Cabinet

Gree Solar Hybrid Air Con

Model		GWH12MB-D3DNA4C		GWH18MC-D3DNA4C		KFR-35GW/(35555)F1Ab-1		KFR-50GW/(50455)F1Ab-1	
Capacity (L/S/H)	Cooling	Btu/h	4500/12000/14000	6000/18000/22350	1228/12000/13648	2559/18000/20472			
	Heating	Btu/h	3250/13000/14500	4100/25000/25000	3000/15000/17060	3412/21000/23202			
Electric Data									
Power Supply		Ph,V/Hz	1Ph, 208/230, 60Hz	1Ph, 208/230, 60Hz	1Ph, 220V-240V, 50Hz	1Ph, 220V-240V, 50Hz			
Power Input Rate (L/S/H)	Cooling	W	120/1000/1450	300/1500/2650	120/860/1260	260/1360/2100			
	Heating	W	220/1200/1500	335/2750/2750	200/1300/1800	230/1900/2400			
Solar Power Data									
Open Circuit Voltage		V	22-185	22-185	22-185	22-185			
Short Circuit Current		A	9	9	9	9			
Maximum Output Power		W	1150	1150	1150	1150			
Performance									
EER	Cooling	W/W	3.51	3.52	4.00	3.68			
	Heating	W/W	3.20	2.66	3.38	3.15			
SEER	Cooling	Btu/h/W	20	18	18	16.5			
	Heating	Btu/h/W	9.6	10.2	10.2	9			
HSPF	Cooling	m ³ /h	510	850	650	850			
	Heating	dB(A)	36/32/26	44/40/35	24/32/36	39/41/44			
Noise (H/M/L)	Indoor unit	dB(A)	55(H)	54(H)	54	56			
	Outdoor unit	dB(A)							
With Solar Power of 1150W									
Electric Power		W	30/30/450	30/500/1650	-	-			
Input Rate (L/S/H)		W	30/200/500	30/1750/1750	-	-			
Energy Saving Rate	Cooling		97%	76%	97%	85%			
	Heating		95%	42%	88%	60%			
Dimension & Weight									
Body Dimension (W×H×D)	Indoor unit	mm	845×275×180	940×298×200	866×292×209	1018×319×230			
	Outdoor unit	mm	848×540×320	890×700×340	899×596×378	955×700×396			
Package Dimension (W×H×D)	Indoor unit	mm	915×255×355	1010×285×380	945×377×297	1097×397×340			
	Outdoor unit	mm	878×360×580	1030×460×735	948×420×645	1029×458×750			
Net Weight / Gross Weight	Indoor unit	Kg	11/14	13/17	11/14	15/20			
	Outdoor unit	Kg	40/44	50/55	43/47	50/55			
Loading Quantity (not including solar panel)									
40'GP/40'HQ		sets	232/252	125/145	162/187	120/137			

*: When the solar power exceeds the required power to run the unit, the commercial power consumption of outdoor unit will become zero, and the total commercial power consumption of the entire system is 30% of the indoor unit power.

