

# Solar Hybrid Power



## 20 SEER - 12K to 18K BTU

### Single-Zone Solar Hybrid Powered Heat Pump 12K and 18K BTU – 20 SEER

Primary power is 208/230V, but will automatically bypass to solar whenever solar power is available, further reducing energy consumption by as much as 97% in cooling mode.

Solar panels purchased separately.

Solar Hybrid Power (SHP) Heat Pump with intelligent power supply management can freely switch 3 different power supply modes to meet various demands.

### 3 Power Supply Modes

#### Mode without Battery

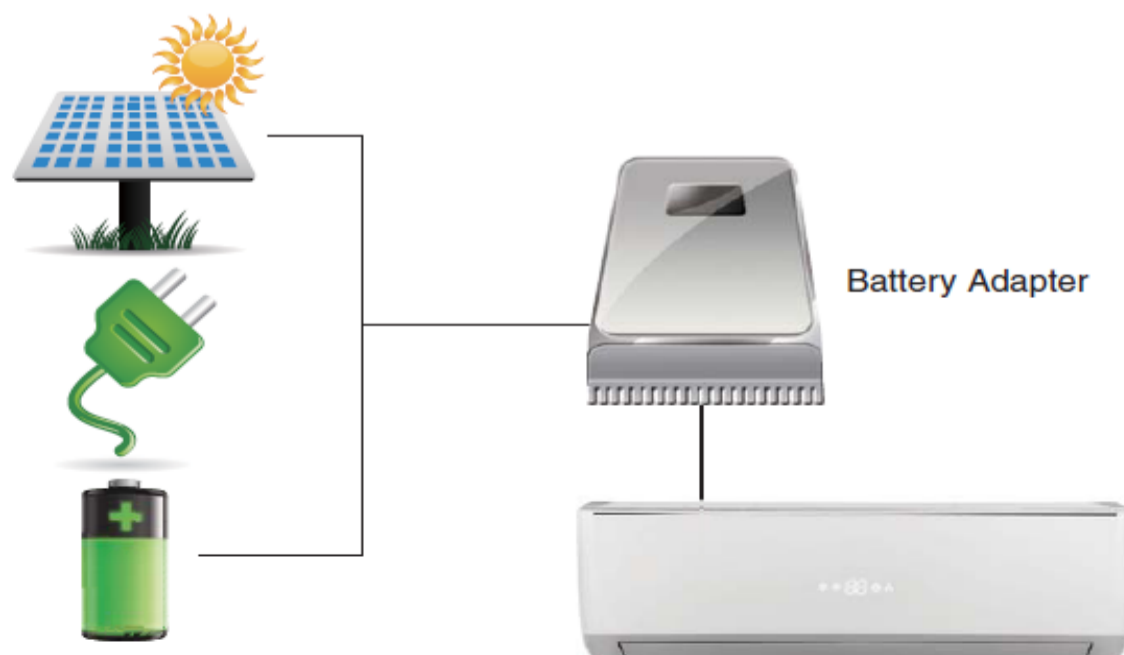
- Electricity from solar power, together with commercial electricity, are directly supplied to system.

#### Mode with Battery

- Electricity from solar power is first stored in battery and then supplied to the system by adapter, together with commercial electricity.

#### Mode without Commercial Electricity

- Commercial electricity is cut off and the power supply of the unit is completely from solar power.



# Solar Hybrid Power



## 20 SEER - 12K to 18K BTU (continued)

Single-Zone Solar Hybrid Powered Heat Pump  
Mini-Splits 12K and 18K BTU – 20 SEER



Model		Indoor Unit	GHH12(3.5)SSK4DH	GHH18(5.3)SSK4DH
		Outdoor Unit	GXH12(3.5)SSK4DH	GXH18(5.3)SSK4DH
Capacity (L/S/H)	Cooling	Btu/h	4500/12000/14000	6000/18000/22350
	Heating	Btu/h	3250/13000/14500	4100/25000/25000
<b>Electrical Data</b>				
Power Supply		Ph-V-Hz	1-208/230-60	
Power Input Rate (L/S/H)	Cooling	W	120/1000/1450	300/1500/2650
	Heating	W	220/1200/1500	335/2750/2750
<b>Solar Power Data</b>				
Open Circuit Voltage		V	22~165	
Short Circuit Current		A	9	
Maximum Output Power		W	1000	
<b>Performance</b>				
EER	Cooling	Btu/W	12	
COP	Heating	Btu/W	10.9	9.07
SEER	Cooling	Btu/h/W	20	18
HSPF	Heating	Btu/h/W	9.6	10.2
Airflow	Indoor Unit	CFM	310	500
Noise (H/M/L)	Indoor Unit	dB(A)	36/22/26	44/40/35
	Outdoor Unit	dB(A)	55(H)	54(H)
<b>With Solar Power of 1150W</b>				
Electric Power Input Rate (L/S/H)	Cooling	W	30/30/450	30/500/650
	Heating	W	30/200/500	30/1750/1750
Energy Saving Rate	Cooling		97%	67%
	Heating		80%	36%
<b>Dimension &amp; Weight</b>				
Body Dimension (WxHxD)	Indoor Unit	mm	845 x 275 x 180	940 x 298 x 200
		inch	33.27 x 10.83 x 7.09	37.01 x 11.73 x 7.87
	Outdoor Unit	mm	848 x 540 x 320	955 x 700 x 396
		inch	33.39 x 21.26 x 12.60	15.35 x 27.56 x 13.39
Package Dimension (WxHxD)	Indoor Unit	mm	918 x 370 x 258	1013 x 300 x 383
		inch	36.00 x 14.00 x 10.00	39.88 x 15.55 x 11.34
	Outdoor Unit	mm	881 x 595 x 363	1029 x 750 x 458
		inch	34.57 x 22.83 x 14.16	40.51 x 29.53 x 18.03
Net Weight/Gross Weight	Indoor Unit	kg	11/14	13/17
		lb	24.3/30.9	28.7/37.5
	Outdoor Unit	kg	40/44	50/55
		lb	88.2x97.0	110.3x121.3
Loading Quantity (not including solar panel)			<b>ENERGY STAR</b>	<b>ENERGY STAR</b>
40'GP		sets	210	130
40'HQ		sets	244	146



## Standing behind your Investment

Gibson mini-split and multi-zone air conditioners and heat pumps offer a 5-Year limited parts warranty. Compressors carry a 7-Year warranty. To learn more about our product warranties, ask your Gibson contractor.