

EYEN
ELECTRIC

Yiyuan Electric Co., Ltd



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HP-PV Series Pure Sine Wave Inverter



● Application

- Power tools—circular saws, drills, grinders, sanders, buffers, weed and hedge trimmers, air compressors.
- Office equipment – computers, printers, monitors, facsimile machines, scanners.
- Household items – vacuum cleaners, fans, fluorescent and incandescent lights, shavers, sewing machines.
- Kitchen appliances – coffee makers, blenders, ice makers, toasters.
- Industrial equipment – metal halide lamp, high – pressure sodium lamp.
- Home entertainment electronics – television, VCRs, video games, stereos, musical instruments, satellite equipment.

● Features

- Smart Remote Control
- Support Solar Panel with MPPT Function
- Designed to Operate under Harsh Environment
- DC Start & Automatic Self-Diagnostic Function
- Compatible with Both Linear & Non-Linear Load
- Easy to Install & Easy to Operate & Easy to Solve
- Low DC Voltage Supports Home & Office Appliances
- Powerful Charge Rate Up to 120Amp, Selectable From 0%-100%
- High Efficiency Design & “Power Saving Mode” to Conserve Energy
- Battery Priority Mode, Designates the Inverter-Preferred UPS Configuration
- 13 Vdc Battery Recover Point, Dedicated for Renewable Energy Systems
- 8 pre Set Battery Type Selector plus De-sulphation for Totally Flat Batteries
- 4-step Intelligent Battery Charging, PFC (Power Factor Correction) for Charger
- 8 ms Typical Transfer Time Between Utility & Battery, Guarantees Power Continuity
- 15s Delay Before Transfer when AC Resumes, Protection for Load when Used with Generator

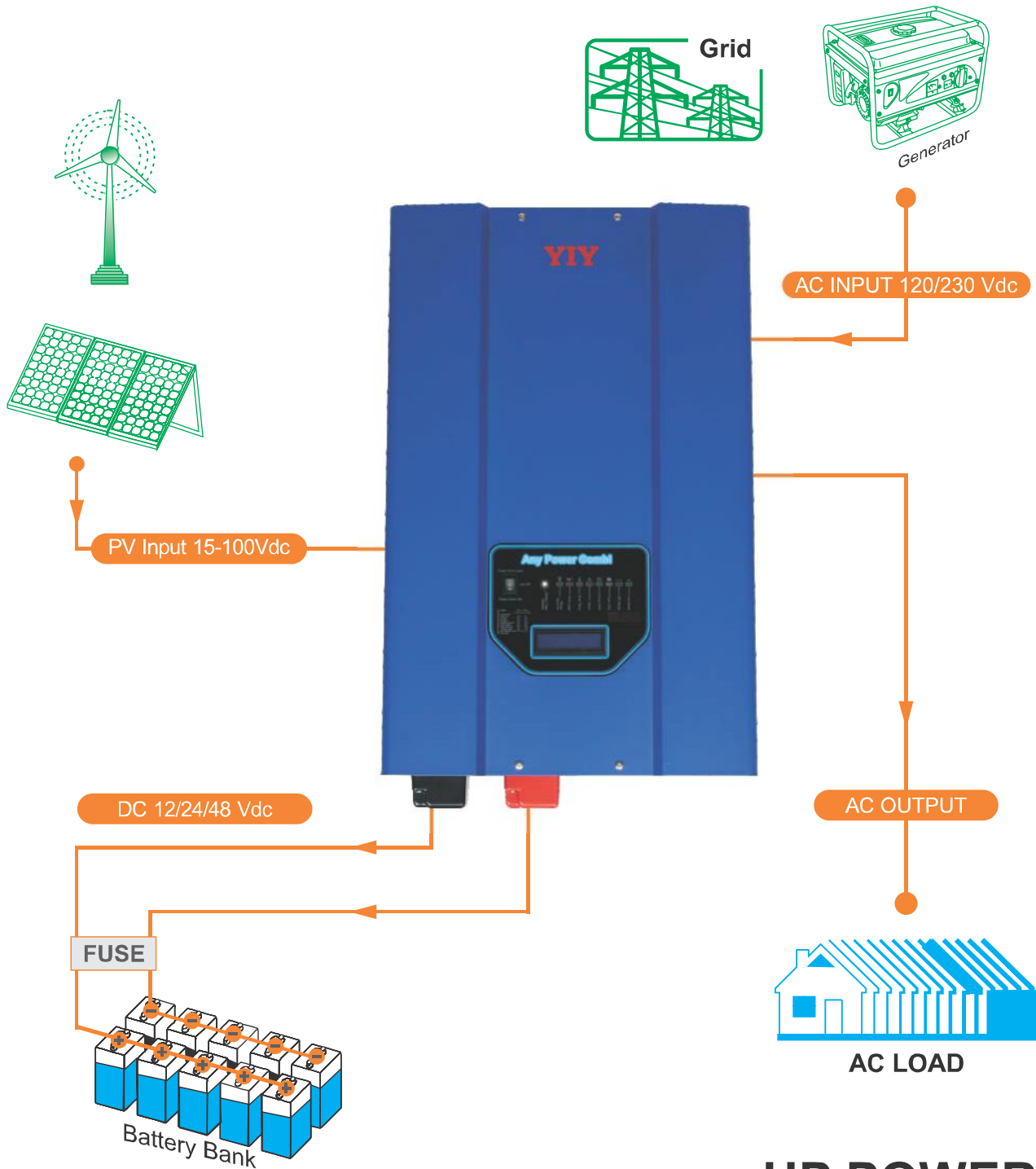


CHINA YIYUAN ELECTRICAL CO.,LTD.
SHENZHENSHI YIYUAN TECHNOLOGY CO.,LTD.

HP PURE SINE WAVE INVERTER/CHARGER											
Inverter Output	Model	1.0KW	1.5KW	2.0KW	3.0KW	4.0KW	5.0KW	6.0KW	8.0KW	10.0KW	12.0KW
	Continuous Output Power	1.0KW	1.5KW	2.0KW	3.0KW	4.0KW	5.0KW	6.0KW	8.0KW	10.0KW	12.0KW
	Surge Rating (20ms)	3.0KW	4.5KW	6.0KW	9.0KW	12.0KW	15.0KW	18.0KW	24.0KW	30.0KW	36.0KW
	Output Waveform	Pure Sine wave/Same as input(Bypass Mode)									
	Nominal Efficiency	>88%(Peak)									
	Line Mode Efficiency (Line Mode)	>95%									
	Power Factor	0.9-1.0									
	Nominal Output Voltage rms	100-110-120Vac / 220-230-240Vac									
	Output Voltage Regulation	±10% RMS									
	Output Frequency	50Hz ± 0.3Hz/60Hz ± 0.3Hz									
	Short Circuit Protection	Yes(1sec after fault)									
	Typical transfer Time	10ms(Max)									
	THD	< 10%									
DC Input	Nominal Input Voltage	12.0Vdc (*2 for 24Vdc, *4 for 48Vdc)									
	Minimum Start Voltage	10.0Vdc									
	Low Battery Alarm	10.5Vdc / 11.0Vdc									
	Low Battery Trip	10.0Vdc / 10.5Vdc									
	High Voltage Alarm	16.0Vdc									
	Low Battery voltage recover	15.5Vdc									
	Idle Consumption -Search Mode	< 25 W when Power Saver On									
	Output Voltage	Depends on battery type									
Charger	Charger Breaker Rating	10A	15A	20A	20A	20A	30A	30A	40A	40A	40A
	Max Charge Power Rate(1/3 Rating Power)	1/3 от номинальной мощности									
	Battery Initial Voltage for Start Up	10-15.7V for 12V(*2 for 24V, *4 for 48V)									
	Over Charge Protection Shutdown	15.7V for 12V (*2 for 24V, *4 for 48V)									
	Remote Control	Yes (Optional)									
	Input Voltage Waveform	Sine wave (Grid or Generator)									
Bypass & Protection	Nominal Voltage	110Vac	120Vac		220Vac		230Vac	230Vac			
	Max Input AC Voltage	150VAC For 120Vac LV Mode ; 300VAC For 230Vac HV Mode ;									
	Nominal Input Frequency	50Hz or 60Hz (Auto detect)									
	Low Freq Trip	47±0.3Hz for 50Hz, 57±0.3Hz for 60Hz									
	High Freq Trip	55±0.3Hz for 50Hz, 65±0.3Hz for 60Hz									



HP PURE SINE WAVE INVERTER/CHARGER												
Model		1.0KW	1.5KW	2.0KW	3.0KW	4.0KW	5.0KW	6.0KW	8.0KW	10.0KW	12.0KW	
Bypass & Protection	Input Voltage Waveform	Sine wave (Grid or Generator)										
	Nominal Voltage	110Vac	120Vac		220Vac	230Vac	230Vac					
	Max Input AC Voltage	150VAC For 120Vac LV Mode ; 300VAC For 230Vac HV Mode ;										
	Nominal Input Frequency	50Hz or 60Hz (Auto detect)										
	Low Freq Trip	47±0.3Hz for 50Hz, 57±0.3Hz for 60Hz										
	High Freq Trip	55±0.3Hz for 50Hz, 65±0.3Hz for 60Hz										
	Overload protection(SMPS load)	Circuit breaker										
	Output Short circuit protection	Circuit breaker										
	Bypass breaker rating	10A	15A	20A	30A	40A	40A	40A	50A	63A	63A	
	Transfer switch rating	30amp for UL & TUV				40amp for UL			80amp for UL			
	Bypass without battery connected	Yes (Optional)										
Max bypass current	30amp				40amp			80amp				
Solar Charger (Optional)	Rated Voltage	12Vdc / 24Vdc / 48Vdc										
	Solar Input Voltage Range	15-30Vdc / 30-55Vdc / 55-100Vdc										
	Rated Charge Current	40 ~ 60A										
	Rated Output Current	15A										
	Self Consumption	< 10mA										
	Bulk Charge	14.5V(default)										
	Floating Charge	13.5V(default)										
	Equalization Charge	14.0V(default)										
	Over Charge Disconnection	14.8V										
	Over Charge Recovery	13.6V										
	Over Discharge Disconnection	10.8 V(default)										
Over Discharge Reconnection	12.3V											
Temperature Compensation	-13.2mV/°C											
Ambient Temperature	0 ~ 40°C(Full load) 40 ~ 60°C(Derating)											
Mechanical Specifications	Mounting	Wall Mount										
	Inverter Dimensions (L*W*H)	388*415*200				488*415*200			588*415*200			
	Inverter Weight (Solar Chg)KG	21+2.5	22+2.5	23+2.5	27+2.5	38+2.5	48+2.5	49+2.5	60+2.5	66+2.5	70+2.5	
	Shipping Dimensions (L*W*H)	550*520*310				650*520*310			750*520*310			
	Shipping Weight (Solar Chg)KG	23+2.5	24+2.5	25+2.5	29+2.5	40+2.5	50+2.5	51+2.5	62+2.5	68+2.5	72+2.5	
	Display	Status LEDs / Status LEDs+LCD										
	Standard Warranty	1 Year (Optional)										



HP POWER
12000 AVAILABLE
ULTRA LOW LOSS