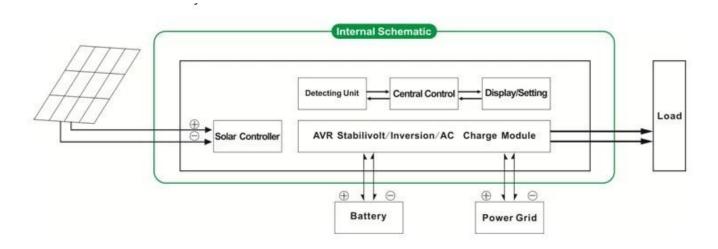
Introduction

Pure sine wave inverter with built-in MPPT controller I-P-HPC-Series is a module design. It has the advantages of high conversion efficiency, low power consumption and strong load-carrying ability. With intelligent control, users can set charging mode, (Utility as complementary power) AC first mode or DC first mode, timing inversion mode and timing utility mode, on/off mode. It is one of advanced hybrid inverter & controller in the world.



Application

- 1.Off-grid solar power system
- 2.Solar and utility complementary power system



Feature

1.Easy to install.To configure a solar system, users just need to connect it with solar panels and batteries 2.CPU management, intelligent control, modular design, LCD display

- 3.Built-in MPPT controller, high charging efficiency
- 4.Low power consumption, high conversion efficiency

5.Intellectual multi-function, it's convenient for users to make full use of solar energy in different situation

6. External battery connection, it's convenient for users to expand back-up power time

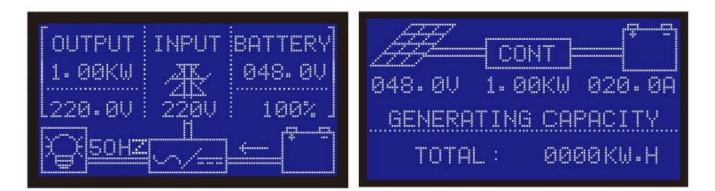
7.Strong load-carrying ability, low failure rate, easy to maintenance and long service life (under proper operation, it can last at least 5 years)

8.Perfect protection:low voltage protection, high voltage protection, over temperature protection, shortcircuit protection, overload protection

9.CE / EMC / LVD/ RoHS Approvals

10. Two years warranty, life-long technical support





Function

1. Charging function

1.1 PV only mode: when PV and utility are both connected to the inverter, only the PV will charge the battery while utility will not charge the battery.

1.2 PV+AC hybrid mode: when PV and utility are both connected to the inverter, both PV and utility will charge the battery.

2.Utility as complementary power UPS function 2.1AC first, DC standby UPS mode

When utility and battery are connected to the inverter, utility will supply power to the loads preferentially. When utility is cut off, the battery will automatically continue to supply power to the loads.

Steps are as follows:

Step 1: When utility power is available, it will drive the loads directly after voltage being stabilized and charge batteries at the same time.

Step 2: When utility power is cut off suddenly, the inverter will convert DC to AC automatically to ensure uninterrupted power supply within 5ms.

Step 3: When utility power is available again, it will automatically transfer to utility supplying power to loads and charge batteries at the same time.

2.2DC first, AC standby UPS mode:

When utility and battery are connected to the inverter, battery will supply power to the loads prior to utility. When battery capacity is not enough, utility will continue to supply power automatically.

Steps are as follows:

Step 1: When battery has enough power, it will drive the loads directly via power inverter

Step 2: When battery does not have enough power, it will automatically transfer to utility supplying power to the loads

Step 3: After the battery is fully charged (e.g. by solar or wind charge controller), it will automatically transfer to battery supplying power to the loads.

3.Timing function

3.1 On/Off mode: Users can set specific time to turn on/off the output of the inverter.

3.2 Working mode: Battery or utility switchable mode. Users can set specific time when to use battery or utility supplying power (suitable for areas where electric fee is charged differently in different period)

4.Recording/checking function

4.1 Inverter fault checking: Users can check the inverter fault information4.2 Discharge time checking: Users can check the discharge time of the battery

Parameter

Battery Lead-acid battery[] 24V 24V/48V(optional) 48V Charging Parameter PV charge PV charge PV charge 48V Charge Mode[]setting[] PV charge 9V charge 48V Voltage 24V 24V/48V 48V Current 20A 25A 30A 40A 40A Max PV Input Voltage 100V 95%~99% 24V: 24V: 24V:1136W PV Charge 568W 24V: 24V: 24V:1136W 2272W 2272W 2272W Jtility Current 0~15A 20V+3% or 230V+3 or 240V+3% or 100V+3% 20V+3% or 100V+3% 20V+100 + 3% <th>Parameter</th> <th>Model</th> <th>1000W</th> <th>1500W</th> <th>2000W</th> <th>3000W</th> <th>4000W</th> <th>5000W</th>	Parameter	Model	1000W	1500W	2000W	3000W	4000W	5000W			
Battery Lead-acid battery[] 24V 24V/48V(optional) 48V Charging Parameter PV charge PV charge 48V Charge Mode[]setting[] PV charge 48V PV charge 24V/24V/48V 48V Current 20A 25A 30A 40A 40A 40A Max PV Input Power 100V 24V: 24V: 24V: 24V: 2272W 2272W 2272W Jtility AC Charge Current 0~15A 852W 24V: 24V: 24V: 24V: 2272W 2272W 2272W Jtility AC Charge Current 0~15A 568W 220V±3% or 230V±3 or 240V±3% or 100V±3% (optional) 2010V±3% or 100V±3% 2010V±3%			1000W	1500W	2000W	3000W	4000W	5000W			
$ \begin{array}{c clead-acid battery[] \\ \hline \end{tabular} & \end{tabular} \\ \hline $	Peak Power		2000W	3000W	4000W	6000W	8000W	10000W			
Lead-acid battery[] PV charge PV charge Charging Parameter PV charge PV charge PV charge 24V/48V 48V Current 20A 25A 30A 40A 40A Max PV Input 20V 24V/48V 48V 40A 40A Max PV Input 100V PV Charge 24V: 24V: 24V:1136W Power 95%~99% Efficiency 48V 2272W 2272W 2272W Jtility Current 0~15A 852W 48V: 2272W 2272W 2272W AC Charge 0~15A Charge Mode 3-Stage Charging 100V±3% or 110V±3% (optional) Inversion parameter 220V±3% or 230V±3 or 240V±3% or 100V±3% or 110V±3% (optional) 100 Prequency 50Hz±0.5 or 60Hz±0.5 (optional) 0.6A 0.6A 0.65A Ower Consumption 0.4A 24V: 0.5A 48V: 0.5A 0.6A 0.6A Newer Consumption 1-6W 48V: 0.5A 0.6A 0.6A 0.65A Power Consumption 1-6W 85%~92% 110V+35%[optional]]	Battery		2414	241//401//0	ntional)		1				
PV charge PV charge PV charge 24V 24V/48V 48V Current 20A 25A 30A 40A 40A Max PV Input Voltage 100V 25A 30A 40A 40A 40A Max PV Input Power 100V 25A 30A 40A 40A 40A Max PV Input Power 95%~99% 24V: 24V:1136W 2272W 2272W 2272W Jtility AC Charge Current 0~15A 48V: 2272W 2272W 2272W AC Output Charge Mode 3-Stage Charging 100V±3% or 100V±3% or 100V±3% 100V±3% Frequency 50Hz±0.5 or 60Hz±0.5 (optional) Frequency 50Hz±0.5 (optional) 50Hz±0.5 0.6A 0.65A Power Consumption (under normal working mode) 0.4A 24V: 0.5A 24V: 0.7A 48V: 0.5A 0.6A 0.65A Power Consumption (under sleep mode) 1-6W 220V±35% or 110V+35%[optional[] 50.42 48V: 0.5A 0.6A 0.65A AC Input Voltage		battery∏	240	240/480(0	ptional)						
Charge Mode JsettingPV charge + utility chargePV charge 24V24V/48V48VCurrent 200A20A30A40A40AMax PV Input Voltage100V100VPV Charge Efficiency95%~99%24V: 100W24V: 852W24V:1136W 2272WMax PV Input Power95%~99%24V: 100W24V: 852W24V: 48V: 2272W2272WJtilityAC Charge Current0~15A24V: 100W24V: 35 or 230V±3 or 240V±3% or 100V±3% or 110V±3% (optional)220V±3% or 230V±3 or 240V±3% or 100V±3% or 110V±3% (optional)Inversion parameter220V±3% or 230V±3 or 240V±3% or 100V±3% or 110V±3% (optional)0.66A0.65AOutput wave typePure sine wave output, Total Harmonic Distortion THD≤30.66A0.65AOverload ability>120% 1 min, >130% 10s0.6A0.65APower Consumption (under normal working mode)0.4A24V: 0.5A24V: 0.7A (0.4A0.6A0.65APower Consumption (under sleep mode)1-6W10V+35%[optional]0.6A0.65APower Consumption (under sleep mode)1-6W85%~92%10V+35%[optional]10VVoltage Prequency220V±35% or 110V+35%[optional]48V: 0.5A0.6A0.65AAC Input FrequencyThe same as utility's frequency20V±35% or 110V+35%[optional]20VVoltage Prequency20V±5% or 110V+35%[optional]20V20V±5% or 110V+35%[optional]Proverod Switch TimeAC first, DC standby DC first, AC standby20V </td <td>Charging Pa</td> <td>rameter</td> <td>•</td> <td>•</td> <td></td> <td></td> <td></td> <td></td>	Charging Pa	rameter	•	•							
Voltage 24V 24V/48V 48V Qurrent 20 25A 30A 40A 40A 40A Max PV Input Voltage 100V 25A 30A 40A 40A 40A Max PV Input Power 100V 25A 30A 40A 40A 40A Max PV Input Power 95%~99% 24V: 24V: 24V: 24V: 2272W 2272W 2272W Jtility Current 0~15A 710W 852W 24V: 24V: 24V: 24V: 24V: 24V: 24V: 24V: 2272W 2272W 2272W Jtility Current 0~15A 710W 852W 24V: 040+ 30 0 30 100+3% 0100+3% 010V±3% 010V±3% 010V±3% 010V±3% 010V±3% 010V±3% 010V±3% 010V±3% 010V±3% 0.4 48V: 0.4 48V: 0.4 48V: 0.4 48V: 0.4 48V: 0.4 0.4 0.4	Charge Med		PV charg	e							
Current20A25A30A40A40A40AMAX PV Input Voltage100VPV Charge Efficiency95%~99%Max PV Input Power $568W$ $710W$ $852W$ $24V$: $48V$: $170W$ $2272W$ $2272W$ $2272W$ JtilityAC Charge Current Charge Mode $0~15A$ $48V$: $1704W$ $48V$: $2272W$ $2272W$ $2272W$ AC Output $Voltage$ 	Charge Moo	leliserringli									
$\begin{array}{ c c c c c c c } \hline Max PV Input \\ Voltage \\ PV Charge \\ PV Cha$		Voltage	24V	24V/48V	48V						
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		Current	20A	25A 30A 40A			40A	40A			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		Max PV Input									
ControllerEfficiency95%~99%Max PV Input Power $568W$ $24V$: $170W$ $24V$: $852W$ $24V$:1136W $852W$ $2272W$ $2272W$ JtilityAC Charge Current $0\sim15A$ $2272W$ $2272W$ $2272W$ Nversion parameter $0\sim15A$ $Voltage$ $220V\pm3\%$ or $230V\pm3$ or $240V\pm3\%$ or $100V\pm3\%$ or $110V\pm3\%$ (optional) $Voltage$ $220V\pm3\%$ or $230V\pm3$ or $240V\pm3\%$ or $100V\pm3\%$ or $110V\pm3\%$ (optional)Dutput wave typePure sine wave output, Total Harmonic Distortion THD<3		Voltage	TOO A								
$ \begin{array}{ c c c c c c } \hline Max \ PV \ Input \ Power \ Power$	MPPT Solar Controller		95%~99%								
Max PV Input Power 568W /10W 852W 2272W 272W				24V:	24V:	2414.112614					
$\begin{array}{ c c c c c c } & \begin{tabular}{ c c c } & \begin{tabular}{ c c c c } & \begin{tabular}{ c c c } & \begin{tabular}{ c c c c c c } & \begin{tabular}{ c c c c c c c } & \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$		Max PV Input	FCOM	710W	852W	240:11500					
AC Charge Current $0 \sim 15A$ Inversion parameter $220V\pm 3\%$ or $230V\pm 3$ or $240V\pm 3\%$ or $100V\pm 3\%$ or $110V\pm 3\%$ (optional)AC OutputVoltage $220V\pm 3\%$ or $230V\pm 3$ or $240V\pm 3\%$ or $100V\pm 3\%$ or $110V\pm 3\%$ (optional)Dutput wave typePure sine wave output, Total Harmonic Distortion THD ≤ 3 Dverload ability>120% 1 min, >130% 10sPower Consumption (under normal working mode) $24V: 0.5A 24V: 0.7A 48V: 0.5A 0.6A 0.65A 0.45A 48V: 0.5A 0.6A 0.65A 0.45A 48V: 0.5A 0.6A 0.65A 0.45A 0.45A 48V: 0.5A 0.6A 0.65A 0.65A 0.45A 0.45A 0.45A 0.6A 0.65A 0.45A 0.6A 0.65A 0.45A 0.45A 0.45A 0.6A 0.65A 0.65A 0.45A 0.45A 0.6A 0.65A 0.45A 0.45A 0.6A 0.65A 0.45A 0.45A 0.45A 0.5A 0.6A 0.65A 0.45A 0.45A 0.45A 0.45A 0.6A 0.65A 0.65A 0.45A 0.45A 0.45A 0.6A 0.65A 0.45A 0.45A 0.45A 0.45A 0.6A 0.65A 0.45A 0.45A 0.45A 0.45A 0.45A 0.6A 0.65A 0.65A 0.45A 0.45A 0.45A 0.45A 0.6A 0.65A 0.65A 0.45A 0.45A 0.45A 0.45A 0.45A 0.6A 0.65A 0.65A 0.45A 0.45A $		Power	5000	481/142014	,48V:			227200			
UtilityCurrent $0^{-2}13A$ Inversion parameter3-Stage ChargingAC OutputVoltage $220V\pm 3\%$ or $230V\pm 3$ or $240V\pm 3\%$ or $100V\pm 3\%$ or $110V\pm 3\%$ (optional) FrequencyPower Consumption (under normal working mode) $0.4A$ $24V: 0.5A$ $48V: 0.4A$ $24V: 0.7A$ $48V: 0.5A$ Power Consumption (under sleep mode) $1-6W$ $0.6A$ $0.65A$ Power Conversion Efficiency $1-6W$ $85\% \sim 92\%$ $0.6A$ $0.65A$ Voltage $220V\pm 35\%$ or $110V\pm 35\%$ [optional] $0.6A$ $0.65A$ Power Conversion Efficiency $85\% \sim 92\%$ V V Voltage $220V\pm 35\%$ or $110V\pm 35\%$ [optional] V Voltage $220V\pm 5\%$ or $110V\pm 5\%$ [optional] V Voltage $220V\pm 5\%$ or $110V\pm 5\%$ [optional] V AC Output V V V V FrequencyThe same as utility's frequency V AC first or DC first) priority A A A JPS Output[setting] A A A D A A A A M A A A A A B A A A A B A A A A B A <td< td=""><td></td><td></td><td></td><td>40014200</td><td>1704W</td><td>2272W</td><td></td></td<>				40014200	1704W	2272W					
UtilityCurrentImage Mode3-Stage ChargingInversion parameter220V±3% or 230V±3 or 240V±3% or 100V±3% or 110V±3% (optional) $Voltage$ $220V±3\%$ or 230V±3 or 240V±3% or 100V±3% or 100V±3% or 100V±3% (optional)AC OutputVoltage $220V±3\%$ or 06Hz±0.5 (optional)Dutput wave typePure sine wave output, Total Harmonic Distortion THD≤3Diverload ability>120% 1 min, >130% 10sPower Consumption (under normal working mode) $0.4A$ $48V: 0.5A$ Power Consumption (under sleep mode) $0.4A$ $48V: 0.4A$ $48V: 0.5A$ Power Conversion Efficiency $85\% - 92\%$ $0.6A$ $0.65A$ Dividinge $220V\pm35\%$ or $110V+35\%$ [optional] $0.6A$ $0.65A$ AC InputVoltage $220V\pm35\%$ or $110V+35\%$ [optional] $0.6A$ $0.6A$ AC OutputVoltage $220V\pm35\%$ or $110V+35\%$ [optional] $0.6A$ $0.65A$ AC OutputFrequencyThe same as utility's frequency $0.6A$ $0.65A$ AC OutputVoltage $220V\pm35\%$ or $110V+35\%$ [optional] $0.6A$ $0.65A$ AC first or DC first) priority>120% 1 min, >130% 10s $0.6A$ $0.6A$ AC first or DC first) priority $0.6A$ $0.6A$ $0.6A$ JPS Output[setting] DC first, DC standby DC first, AC standby $0.6A$ $0.6A$ Switch Time<5ms [AC to DC / DC to AC]		-	0~154								
Image: 1 Section of the section of th	Utility										
AC OutputVoltage $220V\pm 3\%$ or $230V\pm 3$ or $240V\pm 3\%$ or $100V\pm 3\%$ or $110V\pm 3\%$ (optional)Dutput wave typePure sine wave output, Total Harmonic Distortion THD ≤ 3 Diverload ability>120% 1 min, >130% 10sPower Consumption (under normal working mode) $0.4A$ $24V: 0.5A$ Power Consumption (under sleep mode) $0.4A$ $48V: 0.4A$ Power Conversion Efficiency $1-6W$ $0.6A$ $0.65A$ Dility Mode $1-6W$ $85\% \sim 92\%$ $0.6A$ $0.6A$ AC Input FrequencyVoltage $220V\pm 35\%$ or $110V+35\%$ [optional] $0.6A$ $0.65A$ AC Output FrequencyThe same as utility's frequency $10V+35\%$ [optional] $0.6A$ $0.65A$ AC Output Voltage $220V\pm 35\%$ or $110V+35\%$ [optional] $0.6A$ $0.65A$ AC Output UPS Output]setting[$10V+35\%$ [optional] $0.6A$ $0.65A$ AC first or DC first) priority UPS Output]setting[AC first, DC standby DC first, AC standby $0.6A$ Switch Time $<5ms$ [AC to DC / DC to AC] $0.6A$ Power On Set by usersSet by users			3-Stage (Charging							
Voltage or 110V±3% (optional) Frequency 50Hz±0.5 or 60Hz±0.5 (optional) Output wave type Pure sine wave output, Total Harmonic Distortion THD≤3 Overload ability >120% 1 min, >130% 10s Power Consumption (under normal working mode) 0.4A 24V: 0.5A 24V: 0.7A Power Consumption (under sleep mode) 0.4A 48V: 0.4A 48V: 0.5A 0.6A 0.65A Power Consumption (under sleep mode) 1-6W 85%~92% 48V: 0.5A 0.6A 0.65A Norter Conversion Efficiency 85%~92% 85%~92% 5000000000000000000000000000000000000	Inversion pa										
AC OutputImage: Constraint of 110V±5% (optional)Output wave typePure sine wave output, Total Harmonic Distortion THD≤3Overload ability>120% 1 min, >130% 10sPower Consumption (under normal working mode) $24V: 0.5A = 24V: 0.7A = 24V: 0.7A$ $48V: 0.4A = 48V: 0.45A = 48V: 0.5A = 0.6A = 0.65A$ Power Consumption (under sleep mode) $1-6W$ Inverter Conversion Efficiency $1-6W$ Mode $1-6W$ AC InputVoltage FrequencyVoltage Frequency $220V\pm35\%$ or $110V+35\%$ [optional]AC OutputVoltage Frequency $220V\pm5\%$ or $110V+5\%$ [optional]FrequencyThe same as utility's frequencyAC OutputVoltage Voltage $220V\pm5\%$ or $110V+5\%$ [optional]FrequencyThe same as utility's frequency AC Output $Voltage$ Frequency AC first or DC first) priorityJPS Output[]setting] AC first, DC standby DC first, AC standby JPS Output[]setting] AC to DC / DC to AC]Power On []setting]Set by usersSwitch Time $<5m$ []AC to DC / DC to AC]		Anctio				3% or 100V±	±3%				
Dutput wave typePure sine wave output, Total Harmonic Distortion THD≤3Dverload ability>120% 1 min, >130% 10sPower Consumption (under normal working mode) $24V: 0.5A 24V: 0.7A 24V:$											
Overload ability >120% 1 min, >130% 10s Power Consumption (under normal working mode) 0.4A 24V: 0.5A 24V: 0.7A 0.6A 0.65A Power Consumption (under sleep mode) 1-6W 48V: 0.4A 48V: 0.5A 0.6A 0.65A Power Consumption (under sleep mode) 1-6W 1-6W 0.45A 48V: 0.5A 0.6A 0.65A Prever Conversion Efficiency 1-6W 85%~92% 10V+35%[optional] 1000000000000000000000000000000000000					· ·						
Power Consumption (under normal working mode) 0.4A 24V: 0.5A 24V: 0.7A 0.6A 0.65A Power Consumption (under sleep mode) 1-6W 48V: 0.4A 48V: 0.5A 0.6A 0.65A Inverter Conversion Efficiency 1-6W 85%~92% 0.6A 0.65A 0.6A 0.65A AC Input Voltage 220V±35% or 110V+35%[optional] 0.6A 0.65A 0.6A 0.65A AC Output Voltage 220V±35% or 110V+35%[optional] 0.6A 0.65A 0.65A AC Output Voltage 220V±35% or 110V+35%[optional] 0.6A 0.65A Output Frequency The same as utility's frequency 0.6A 0.65A AC Output Voltage 220V±35% or 110V+35%[optional] 0.6A 0.6A AC Output Voltage 220V±35% or 110V+35%[optional] 0.6A 0.6A 0.6A AC Output Voltage 220V±35% or 110V+35%[optional] 0.6A 0.6A 0.6A 0.6A AC Output Voltage 220V±35% or 110V+5%[optional] 0.6A 0.6A 0.6A 0.6A 0.6A JVS Output[]setting] AC first						irmonic Disto	ortion THI)≤3			
(under normal working mode) 0.4A 48V: 0.4A 48V: 0.5A 0.6A 0.65A Power Consumption (under sleep mode) 1-6W 1-6W 1-6W 1-6W Inverter Conversion Efficiency 85%~92% 85%~92% 10V+35%[optional] 10V+35%[optional] AC Input Voltage 220V±35% or 110V+35%[optional] 10V+35%[optional] 10V+35%[optional] AC Output Voltage 220V±5% or 110V+5%[optional] 10V+35%[optional] 10V+35%[optional] AC Output Voltage 220V±5% or 110V+5%[optional] 10V+35%[optional] 10V+35%[optional] AC Output Voltage 220V±5% or 110V+5%[optional] 10V+35%[optional] 10V+35%[optional] AC first DVerload Ability >120% 1 min,>130% 10S 10V+35%[optional] 10V+35%[optional] JPS Output[setting] AC first, DC standby Invertere Invertere Invertere Switch Time <5ms [AC to DC / DC to AC]			>120% 1								
mode)48V: 0.4A48V: 0.5APower Consumption (under sleep mode)1-6WInverter Conversion Efficiency85%~92%Utility Mode85%~92%AC InputVoltage220V±35% or 110V+35%[optional]FrequencyThe same as utility's frequencyAC OutputVoltage220V±5% or 110V+5%[optional]FrequencyThe same as utility's frequencyAC OutputVoltage220V±5% or 110V+5%[optional]FrequencyThe same as utility's frequencyOverload Ability>120% 1 min,>130% 10sAC first or DC first) priorityAC first, DC standbyUPS Output[setting]AC first, DC standbyDC first, AC standbyDC first, AC standbySwitch Time<5ms [AC to DC / DC to AC]							0.01	0.07.1			
(under sleep mode) 1-0W Inverter Conversion 85%~92% Efficiency 85%~92% Utility Mode 220V±35% or 110V+35%[optional] AC Input Voltage 220V±5% or 110V+5%[optional] Frequency The same as utility's frequency AC Output Voltage 220V±5% or 110V+5%[optional] Frequency The same as utility's frequency AC Output Voltage 220V±5% or 110V+5%[optional] Overload Ability >120% 1 min,>130% 10s AC first or DC first) priority AC first, DC standby UPS Output[setting] AC first, DC standby Switch Time <5ms [AC to DC / DC to AC]	(under normal working (mode)		0.4A			48V: 0.5A	U.6A	0.65A			
Runder sleep mode) 85%~92% Inverter Conversion 85%~92% Utility Mode 220V±35% or 110V+35%[optional] AC Input Voltage 220V±5% or 110V+35%[optional] Frequency The same as utility's frequency AC Output Voltage 220V±5% or 110V+5%[optional] Frequency The same as utility's frequency AC Output Voltage 220V±5% or 110V+5%[optional] Frequency The same as utility's frequency Overload Ability >120% 1 min,>130% 10s (AC first or DC first) priority VOLto to to to to to the same super th			1_6\//								
Efficiency 85%~92% Utility Mode AC Input AC Input Voltage 220V±35% or 110V+35%[optional] Frequency The same as utility's frequency AC Output Voltage 220V±5% or 110V+5%[optional] Frequency The same as utility's frequency Overload Ability >120% 1 min,>130% 10s Overload Ability >120% 1 min,>130% 10s (AC first or DC first) priority AC first, DC standby UPS Output[setting] AC first, DC standby Switch Time <5ms [AC to DC / DC to AC]	(under slee	o mode)	1-011								
Utility Mode Voltage 220V±35% or 110V+35%[]optional[] AC Input Voltage 220V±5% or 110V+5%[]optional[] Frequency The same as utility's frequency AC Output Voltage 220V±5% or 110V+5%[]optional[] Frequency The same as utility's frequency Overload Ability >120% 1 min,>130% 10s (AC first or DC first) priority AC first, DC standby UPS Output[]setting[] AC first, DC standby Switch Time <5ms []AC to DC / DC to AC[]	Inverter Conversion		85%~92%								
AC Input Voltage 220V±35% or 110V+35%[optional] Frequency The same as utility's frequency AC Output Voltage 220V±5% or 110V+5%[optional] AC Output Voltage 220V±5% or 110V+5%[optional] Frequency The same as utility's frequency Overload Ability >120% 1 min,>130% 10s (AC first or DC first) priority AC first, DC standby UPS Output[setting] AC first, DC standby DC first, AC standby DC first, AC standby Switch Time <5ms [AC to DC / DC to AC]											
AC Input Frequency The same as utility's frequency AC Output Voltage 220V±5% or 110V+5%[optional] AC Output Frequency The same as utility's frequency Overload Ability >120% 1 min,>130% 10s Overload Ability >120% 1 min,>130% 10s (AC first or DC first) priority AC first, DC standby UPS Output[setting] AC first, DC standby DC first, AC standby DC first, AC standby Switch Time <5ms [AC to DC / DC to AC]			220V±35%	% or 110V+3	35%∏optic	nal∏					
AC Output Voltage 220V±5% or 110V+5%[optional] Frequency The same as utility's frequency Overload Ability >120% 1 min,>130% 10s (AC first or DC first) priority AC first, DC standby UPS Output[]setting[] AC first, DC standby Switch Time <5ms []AC to DC / DC to AC[]	$\Delta ($ in $n = -$	-									
AC Output Frequency The same as utility's frequency Overload Ability >120% 1 min,>130% 10s (AC first or DC first) priority AC first, DC standby UPS Output[]setting[] AC first, DC standby Switch Time <5ms []AC to DC / DC to AC[]	h.										
Overload Ability >120% 1 min,>130% 10s (AC first or DC first) priority UPS Output[setting] AC first, DC standby DC first, AC standby DC first, AC standby Switch Time <5ms [AC to DC / DC to AC]											
(AC first or DC first) priority UPS Output[]setting[] AC first, DC standby DC first, AC standby Switch Time Power On Set by users Setting[] Timed on / off AC output automatically											
JPS Output[]setting[] AC first, DC standby DC first, AC standby Switch Time <5ms []AC to DC / DC to AC[]				1111,1 20070	200						
DPS Output[[setting]] DC first, AC standby Switch Time <5ms [[AC to DC / DC to AC]]				C standby							
Switch Time <5ms [AC to DC / DC to AC]											
Power On Set by users]setting[] Timed on / off AC output automatically											
]setting[] Timed on / off AC output automatically											
		ameter				accury					

	Display Mode	LCD+LED								
	Display		ency, batter	cy, battery						
	Information	capacity, load condition, status Information								
Protection		Overload, short-circuit, high-voltage input, low-voltage input,								
		overheat								
Environmer	Temperature	-10°C[]50°C								
	humidity	10%[]90%								
	Altitude	≤4000m								
Size W×D×H(mm)		438*208*4	13	450*246*468						
Packing Size		520*310*4	160	540*300*518						
W×D×H(mm)		520.210.2	100							
Net Weight (kg)		15	17	19	25	34	35			
Gross Weight (kg)		16	18	20	27	40	41			

picture

I-P-HPC-Series System

