

WSP-WIP

SINGLE-PHASE ON/OFF HYBRID INVERTER

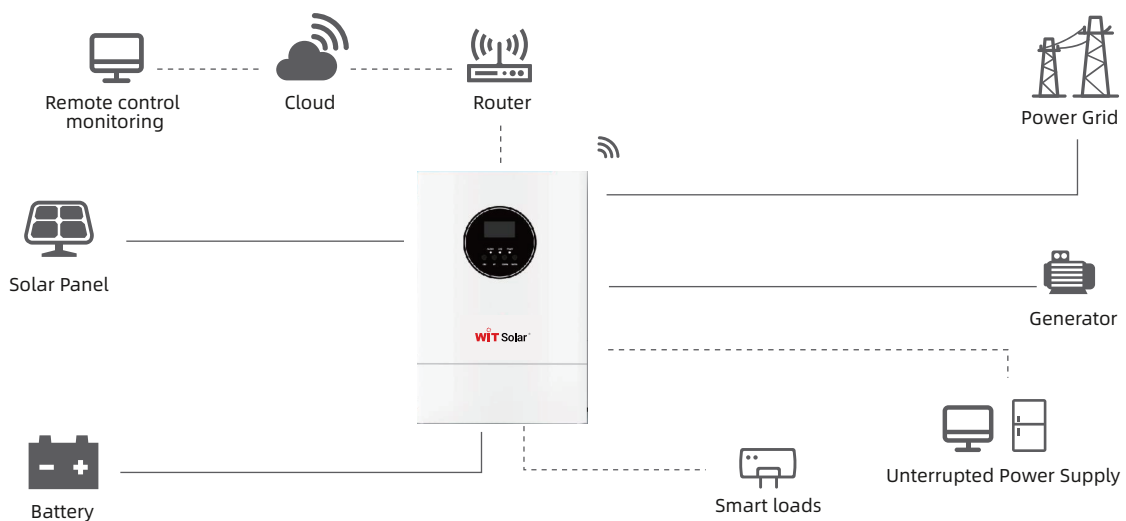
3.6K/5.5K/6.2K/8K/10K/11K



FEATURES

- Integrated MPPT controller
- Balanced charge and discharge control function
- With battery-free operation mode,
- PV input voltage up to 500VDC
- Charge and discharge time can be flexibly set
- Dual-channel AC output, intelligent load management
- With photovoltaic and mains combined load function
- The priority of mains or photovoltaic can be set
- Optional WIFI or GPRS for remote monitoring
- Up to 9 units can be connected in parallel

SOLUTION DESIGN



TECHNICAL DATA



Model Name	3K24P1B	5K48P1B	6K48P1B	8K48P1B	10K48P1B	11K48P1B
Rated power	3600W	5500W	6200W	8000W	10000W	11000W
Parallel function	Support, up to 9 units can be connected in parallel					

Input

Input Input format	L+N+PE					
Input rated voltage	220/230/240VAC					
Input voltage range	90-280VAC $\pm$ 3V (Normal Mode), 170-280VAC $\pm$ 3V (UPS Mode)					
Input frequency range	50/60Hz (Adaptive)					

Output

Rated power	3600W	5500W	6200W	8000W	10000W	11000W
Peak power	7200W	11000W	12400W	16000W	20000W	22000W
Output voltage	220/230/240VAC $\pm$ 1%					
Output frequency	50/60Hz $\pm$ 1%					
Output waveform	Pure sine wave					
Switching time (adjustable)	Computer equipment 10ms, household appliances 20ms					
Maximum output current	16A	25A	28A	36A	45A	50A
Overload capacity	BatteryMode: 21s@105%-150%Load; 11s@150%-200%Load; 400ms@>200%Load.					

Battery

Rated voltage	24VDC	48VDC				
Constant charging voltage (settable)	28.2VDC	56.4VDC				
Floating charging voltage (settable)	27VDC	54VDC				

PV charging and AC charging

Charging mode	MPPT			MPPT*2		
Maximum input power	4200VA	5500VA	6200VA	2*4000VA	2*5000VA	2*5500VA
MPPT tracking range	60-500Vdc			90-500Vdc		
Optimal Vmp voltage	300-400Vdc					
Maximum PV input voltage	500Vdc					
Maximum PV input current	18A			18A/18A		
Maximum PV charging current	100A	100A	120A	150A	150A	150A
Maximum AC charging current	60A	80A	100A	120A	150A	150A
Maximum charging current	100VA	100A	120A	150A	150A	150A

Other parameters

LCD display	Can display operation mode/load/input/output, etc.	
RS232	5 PIN/Pitch2.54mm, baud rate 24 0	
Expansion slot communication interface	2*5PIN/Pitch2.54mm, Lithium battery BMS communication card, WIFI card, dry contact card, etc.	
Operating temperature	-10-50℃	
Ambient humidity	20%-95% (no condensation)	
Storage temperature	-15-60℃	
Altitude	Altitude should not exceed 1000 m, derated above 1000m, maximum 4000m	
Noise	≤50db	
Width*Height*Depth (mm)	314*487*142mm	500*570*148mm
Standards and certifications	EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1	