

# WSP-KSP

## SINGLE-PHASE HYBRID INVERTER

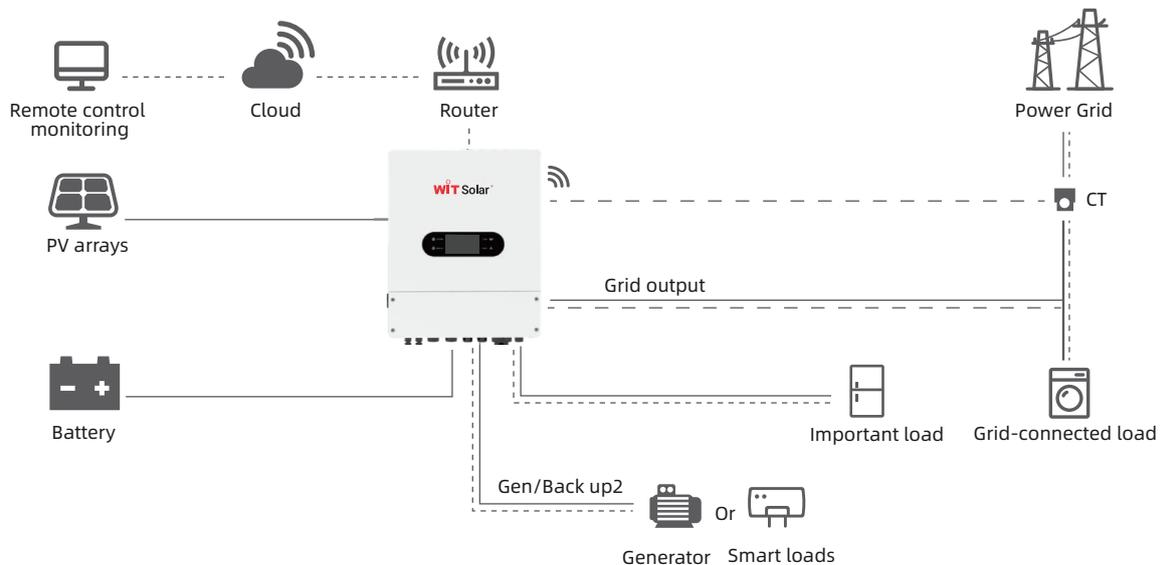
### 6KS48P/8KS48P



## FEATURES

-  Up-to-120A current of battery charge and discharge
-  Off-grid peak power of twice of rated power within 15 seconds
-  Switching as uninterruptible power supply within 10 seconds
-  Supporting lead-acid batteries and lithium batteries and matching economical solutions for different markets

## SOLUTION DESIGN



# TECHNICAL DATA

Model Name	6KS48P	8KS48P
<b>Battery input data</b>		
Battery Type	Lithium or lead acid battery	
Rated battery voltage	48V	
Maximum charging voltage	≤60(Configurable)	
Maximum charge/discharge current	120A	190A
<b>PV input data</b>		
Maximum DC input power	12000W	16000W
Maximum DC input voltage	500V	
MPPT Operating voltage range	150~450V	
Starting voltage	125V	
Maximum input current	18/18A	30/18A
MPPT number	2	
<b>AC output parameters (On-Grid)</b>		
Maximum output apparent power	6000W	8800W
Rated output voltage	220/230V	
Rated output frequency	50/60Hz	
Max output current	27A	40A
Output power factor	1 (-0.8 leading~+0.8 lagging)	
<b>AC output parameters(Off-Grid)</b>		
Rated output apparent power	6000W	8000W
Maximum output apparent power	> 200%, 15sec	
Rated output voltage	230V	
Rated output frequency	50/60Hz	
Max output current	27A	40A
<b>Efficiency</b>		
Max efficiency	98%	
Max efficiency	94.5%	
Europe efficiency	97%	
<b>Protection</b>		
PV input reverse polarity protection	Yes	
PV insulation resistance detection	Yes	
Residual current detection	Yes	
Output over current protection	Yes	
Output short circuit protection	Yes	
Output over voltage protection	Yes	
<b>Basic data</b>		
Operation temperature	-25°C~60°C (frequency-decreasing above 45°C)	
Storage temperature	-30~65°C	
Relative humidity	0~95%	
Working altitude	≤4000m(frequency-decreasing above 2000m)	
Cooling	Intelligent forced air cooling	
Noise	<55db	
Weight	20kg	21.5kg
Dimensions (W*H*D)	198*427*554mm	
Protection class	IP66	
Topology	HF isolation (Battery side)	
<b>Standard</b>		
Safety standard/EMC standard	NB/T32004-2018,IEC62109,IEC61000,IS16169 & IS16221(BIS)	
Grid-connected standard	IEC61727,EN50549-1,VDE-4105,NRS-097-2-1,OVE-Richtlinie R25, UNE217001/2, Ordinance No.140	
Other standard	IEC61683,IEC62116,EN50530,IEC60068	