

WSP-KSP

THREE-PHASE HYBRID INVERTER

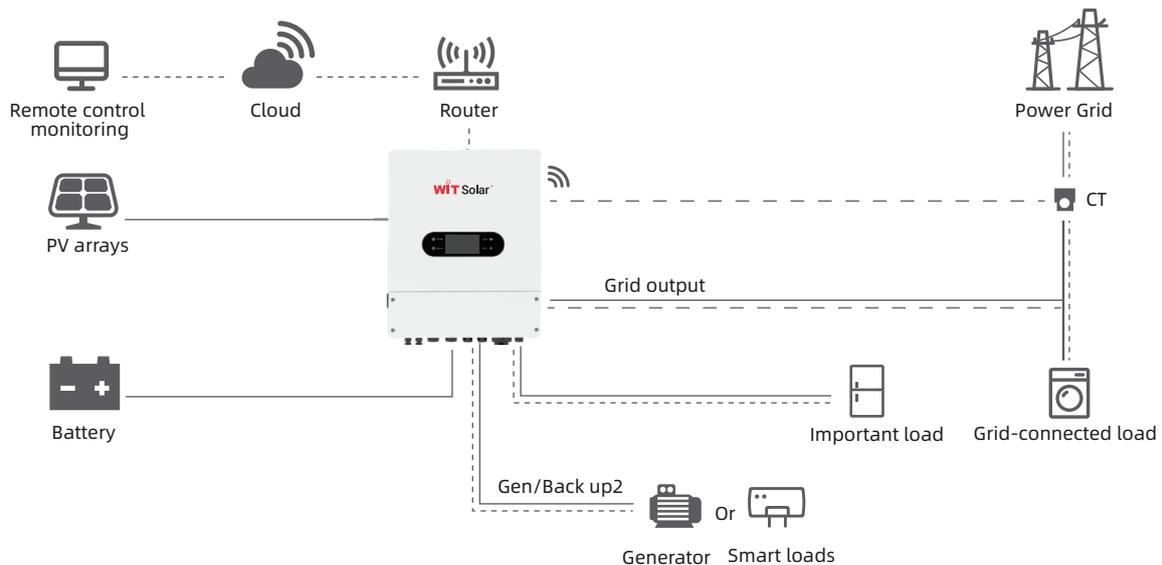
8KS48P3/10KS48P3/12KS48P3



FEATURES

-  Up-to-36A maximum input current
-  Off-grid peak power of 200% over load within 15 seconds
-  Adaptable 18A modules and able to match mainstream highcurrent modules in the market
-  200% of photovoltaic over-proportion ratio for connecting more modules to ensure off-grid applications and fully charge battery

SOLUTION DESIGN



TECHNICAL DATA

Model Name	8KS48P3	10KS48P3	12KS48P3
Battery input data			
Battery Type	Lithium or lead acid battery		
Rated battery voltage	48V		
Maximum charging voltage	≤60(Configurable)		
Maximum charge/discharge current	190A	210A	250A
PV input data			
Maximum DC input power	16000W	20000W	24000W
Maximum DC input voltage	1000V		
MPPT Operating voltage range	200~800V		
Starting voltage	150V		
Maximum input current	18/18A	36/18A	36/18A
MPPT number	2		
AC output parameters (On-Grid)			
Maximum output apparent power	8800W	11000W	13200W
Rated output voltage	380/400V		
Rated output frequency	50/60Hz		
Max output current	13.3A	16.7A	20A
Output power factor	1 (-0.8 leading~+0.8 lagging)		
AC output parameters(Off-Grid)			
Rated output apparent power	8000W	10000W	12000W
Maximum output apparent power	> 200%,15sec		
Rated output voltage	380/400V		
Rated output frequency	50/60Hz		
Max output current	13.3A	16.7A	20A
Efficiency			
Max efficiency	98%		
Max efficiency	94.5%		
Europe efficiency	97.5%		
Protection			
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		
Basic data			
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	Natural cooling		
Noise	<55db		
Weight	38kg		
Dimensions (W*H*D)	475*683*256mm		
Protection class	IP66		
Topology	HF isolation (Battery side)		
Standard			
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-Richtinie R25, UNE217001/2, Ordinance No.140		
Other standard	IEC61683,IEC62116, EN50530, IEC60068		