

KSE SERIES

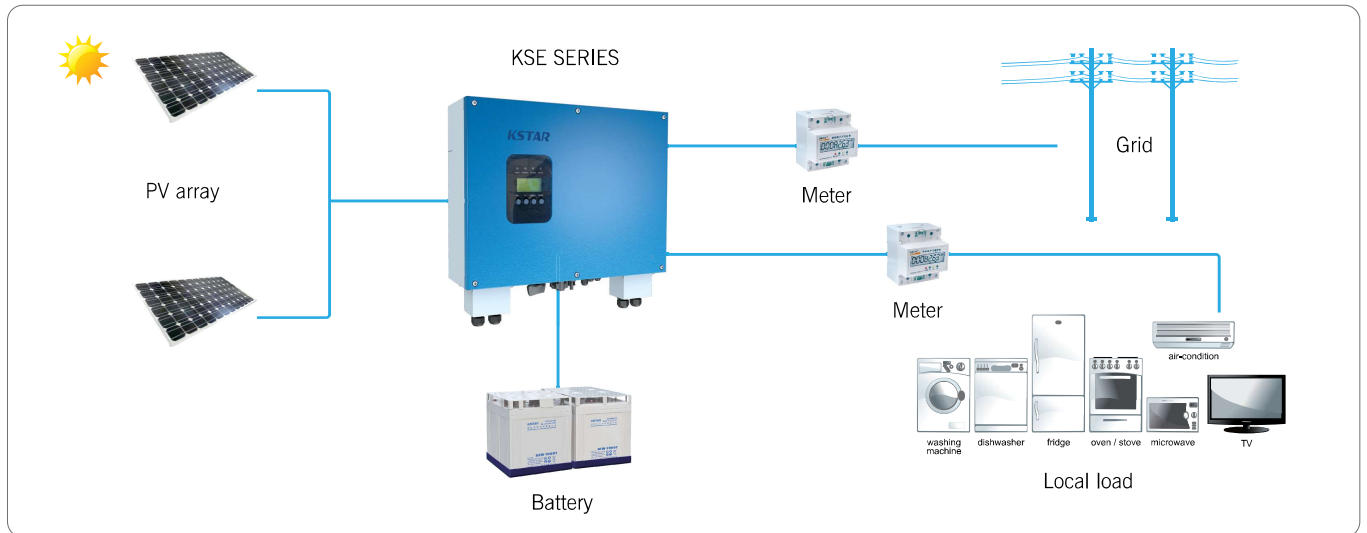
KSG-3.6KW-048

KSG-4.6KW-048

KSG-5KW-048



- Solution for energy independence
- Self-consumption mostly to save money
- Compatible with both lead-acid and Li-ion battery
- Optimal scheme of battery charge and discharge that extend battery life
- Work with either grid-tied or off grid mode
- IP65 protection and wall mounted design to save space
- NO fan inside



Powering Green Future

— www.kstarpower.com

KSTAR

— Stock code: 002518 —

KSE Series Technical Specifications

MODEL	KSE-3.6K-048	KSE-4.6K-048	KSE-5K-048
Input			
Max. DC input power	4600W	5600W	6000W
Max. DC input voltage	550Vdc		
MPPT voltage range	150~500Vdc (Rated voltage 360Vdc)		
Starting Voltage	150V		
Number of MPPT trackers	2		
Max. input current per MPPT tracker	15A × 2		
Output			
Rated output power	3680W	4600W	5000W
Max. AC output power	3680W	4600W	5000W
Rated output voltage	230Vac		
Output voltage range	180V~280V		
AC output topology	L+N+PE, Transformer-less		
Grid frequency range	50 / 60Hz (±5Hz), (adjustable)		
Max. output current	16A	20A	22A
Grid-tied Power factor (cosΦ)	0.9 leading ~0.9 lagging		
Total harmonic current distortion (THDi)	<3%		
Battery			
Battery type	Lead Acid or Lithium		
Rated battery voltage	48V		
Max. charger or discharger current	80A	100A	
Efficiency			
Max. efficiency	>97.6%		
Euro efficiency	>97%		
MPPT efficiency	99.5%		
Protection devices			
DC reverse polarity protection	YES		
Ground fault monitoring/grid monitoring	YES		
Galvanically isolated	YES		
Overvoltage protection	YES		
Intergrated battery fuse	YES		
General			
Cooling type	Convection		
DC switch	Optional		
Communication interface	RS485 standard, external WiFi or Ethernet (optional)		
Package Size (W×H×D)mm	523×495×191		
Shipping weight (kg)	28	30	
Environment			
Operating temperature	-20°C~ +60°C (Power De-rating from 45°C)		
Humidity range	0~95% (non-condensing)		
Altitude	≤2000m		
Noise level	<35dB (1 meter from surface)		
Protection rating	IP65		
Standards			
Safety	IEC/EN62109-1, IEC/EN62109-2, VDE0126-1-1, VDE ARN4105, G83/59/EEG2012, AS3100/4777, CEI 0-21, etc		
EMC	EN61000-6-2, EN61000-6-3, EN61000-3-11, EN61000-3-12, etc		

Specifications subject to change without prior notice.

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HEADQUARTERS

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Version number: KSD/S 2017-02