

DATASHEET DATA

3 PHASE



MODEL	KSY-3Kw	KSY-4Kw	KSY-5Kw	KSY-6Kw	KSY-8Kw	KSY-10Kw	KSY-12Kw	KSY-15Kw
PV INPUT								
Max.PV power / W	3900	5200	6500	7800	10400	13000	15600	19500
Max.Input Voltage / V	1000							
MPP Voltage Range / V	150-850							
Start Up Voltage / V	180							
Rated Input Voltage / V	620							
Min.Operating Voltage / V	150							
Max. Input Current / A	16/16							
Max. Short Circuit Current / A	20/20							
No. of MPPTs/No. strings per MPPT	2/1							
AC OUTPUT								
Rated Power/ W	3000	4000	5000	6000	8000	10000	12000	15000
Max. Apparent AC Power/VA	3300	4400	5500	6600	8800	11000	13200	16500
Rated Grid Voltage/Vac	380/400							
Grid Connection	3L/N/PE							
Rated Grid Frequency/Hz	50/60							
Max. Output Current/A	4.8	6.4	8	9.6	12.8	15.9	19.1	23.9
Power Factor	0.8 ind-0.8cap							
THDi@ Rated Power	<3%	<3%	<3%	<3%	<3%	<3%	<3%	<3%
EFFICIENCY								
Max. Efficiency	98.40%	98.40%	98.40%	98.40%	98.50%	98.50%	98.50%	98.50%
Euro Efficiency	97.40%	97.60%	97.60%	97.60%	97.80%	97.80%	97.80%	97.80%
MPPT Efficiency	99.90%	99.90%	99.90%	99.90%	99.90%	99.90%	99.90%	99.90%
PROTECTION FUNCTION								
Anti-islanding Protection	Integrated							
PV String Input Reverse Polarity Protection	Integrated							
Insulation Resistor Detection	Integrated							
Output Over Current Protection	Integrated							
Output Short Circuit Protection	Integrated							
Over Voltage Protection	Integrated							
Surge Protection	DC Type II / AC Type II							
GENERAL DATA								
Dimensions (W×H×D mm)	465×352×130							
Weight (kg)	11.7	11.7	11.7	11.7	11.7	11.7	12.0	12.0
User interface	LCD&LED							
PV Connection Type	MC4							
AC Connection Type	Plug-in connector							
Communication With Cloud	RS485/WiF/GPRS							
Cooling Method	Natural	Natural	Natural	Natural	Natural	Natural	Smart Cooling concept	
Operating Ambient Temperature / °C	-30 ~ +60							
Relative Humidity/%	0-100							
Max. operating altitude/m	2000 (>2000 derating)							
Protection Class	IP65							
Topology	Transformerless							
Night Consumption (W)	<1 W							
Warranty	10 years							