

HELIOS KS Off-Grid Inverter

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Pure sine wave inverter

Output power factor 1 (Only 0.8 for 3KP/5KP models)

Selectable charging current based on applications

Configurable AC/ Solar input priority via LCD setting

Compatible to AC mains or generator power

Battery equalization for optimized battery performance and lifecycle

Optional remote panel available

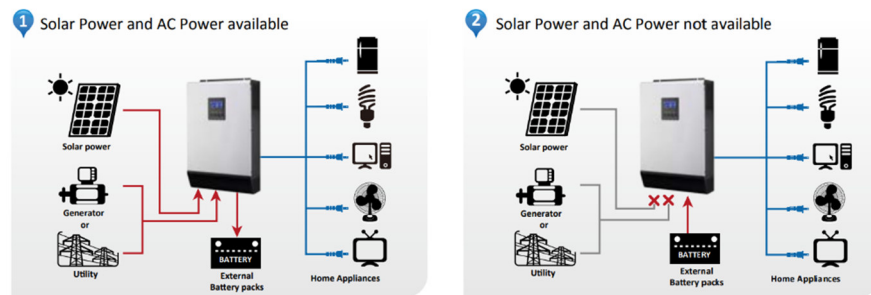
Parallel operation with up to 9 units only available for :

MKS 3KP

MKS 4KVA

MKS 5KVA

MKS 5KP



MODEL	HELIOS KS 1K	HELIOS KS 2K	HELIOS KS 3K	HELIOS KS 3KP	HELIOS KS 4K	HELIOS KS 5K	HELIOS KS 5KP
Rated Power	1000VA/1000W	2000VA/2000W	3000VA/3000W	3000VA/2400W	4000VA/4000W	5000VA/5000W	5000VA/4000W
Parallel Capability	No	No	No	Yes, 9 units	Yes, 9 units	Yes, 9 units	Yes, 9 units
INPUT							
Voltage	230 VAC						
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)						
Frequency Range	50 Hz/60 Hz (Auto sensing)						
OUTPUT							
AC Voltage Regulation (Batt. Mode)	230VAC ± 5 %						
Surge Power	2000VA	4000VA	6000VA	6000VA	8000VA	10000VA	10000VA
Efficiency (Peak)	90%	93%	93%	90%	93%	93%	90%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)						
Waveform	Pure sine wave						
BATTERY							
Battery Voltage	12 VDC	24 VDC	24 VDC	24 VDC	48 VDC	48 VDC	24 VDC
Floating Charge Voltage	13.5 VDC	27 VDC	27 VDC	27 VDC	54 VDC	54 VDC Max: 58VDC (optional 64VDC, please check with sales)	27 VDC
Overcharge Protection	15.5 VDC	31 VDC	30 VDC	30 VDC	60 VDC	60 VDC (optional 66VDC, please check with sales)	30 VDC
SOLAR CHARGER & AC CHARGER							
Maximum PV Array Open Circuit Voltage	50VDC	60VDC	60VDC	75VDC	90VDC	90VDC	75VDC
Maximum PV Array Power	600 W	1200 W	1200 W	1200 W	2400W	2400W	1200 W
Standby Power Consumption	1 W	2 W	2 W	2 W	5W	5W	5W
Maximum Solar Charge Current	50A	50A	50A	50A	50A	50A	50A
Maximum AC Charge Current	20 A	30 A	30 A	60 A	60 A	60 A	60 A
Maximum Charge Current		50 A	50 A	110 A	110 A	110 A	110 A
PHYSICAL							
Dimension, D x W x H (mm)	95 x 240 x 316	100 x 272 x 355	100 x 272 x 355	100 x 272 x 385	155 x 295 x 455	155 x 295 x 455	180 x 310 x 475
Net Weight (kgs)	5.0	6.4	6.9	7	9.8	9.8	11.5
ENVIRONMENT							
Humidity	5% to 95% Relative Humidity (Non-condensing)						
Operating Temperature	0°C to 55°C						
Storage Temperature	-15°C to 60°C						