



ZONERGY

Clean Energy , Everywhere

Single Phase Grid-connected PV Inverter

Mercury-3K-S0



Stable

The chassis adopts high protection design, prolong life time, performance well in extreme environment.



Flexible

Transformer-less, smaller and lighter. Optimized global MPPT algorithm, MPPT efficiency higher than 99.5%.



Smart

One-button safety setting, easy configuration of all parameters. Built-in independence RTC chip data storage of 25 years.



Safe

IP 65 protection for indoor and outdoor installation. AC and DC surge protection guarantee system safety.



Reliable

Key components are from first rank brand supplier worldwide. R&D team are experienced experts in string inverter circle, proven technology create reliable quality.



Easy use

Integrated RS232/WIFI/GPRS, RS485 port, for improved communication. Free monitoring anytime anywhere. Local and remote intelligent maintenance by PC and Apps.

Technical Data	Mercury-3K-S0
Input Data	
Max. DC input power	3900W
Max. DC input voltage	550V
Operation voltage range	80V-540V
Number of independent MPPT / strings per MPPT	1/1
MPPT max. current	13A
AC Output Data	
Rated output power	3kW
Max. output power	3.3kW
Rated output voltage	230V/180V-280V
Rated output frequency	50Hz,60Hz/±5Hz
Rated output current	13.1A
Max. output current	14.5A
Power factor	-0.8~+0.8(adjustable)
THDi	<3%(Nominal Output)
Grid system pattern	L+N+PE
Efficiency	
Max. efficiency	97.6%
Europe efficiency	96.8%
Protection	
Input DC switch	yes
Input over current protection	yes
DC reverse polarity protection	yes
Output over voltage protection	yes
Output over current protection	yes
Anti islanding protection	yes
Insulation impedance protection	yes
RCD detection	yes
General Data	
Dimensions(W/L/H)in mm	265/310/140
Weight	7.2kg
Noise	<25dB
Operation temperature range	-25°C~+60°C
Heat dissipation mode	Natural
IP Class	IP65
Maximum altitude	4000m
Self-Consumption night	<1w
Topology	Transformerless
Features	
LCD display	yes
Communication interface	WIFI/GPRS/RS485(optional)
Warranty	5 years (standard)
Standards	IEC62109-1,IEC62109-2,NB/T32004,VDE-AR-N4105,EN50549,AS 4777



Single Phase Grid-connected PV Inverter

Mercury-5K-S0



Stable

The chassis adopts high protection design, prolong life time, performance well in extreme environment.



Flexible

Transformer-less, smaller and lighter. Optimized global MPPT algorithm, MPPT efficiency higher than 99.5%.



Smart

One-button safety setting, easy configuration of all parameters. Built-in independence RTC chip data storage of 25 years.



Safe

IP 65 protection for indoor and outdoor installation. AC and DC surge protection guarantee system safety.



Reliable

Key components are from first rank brand supplier worldwide. R&D team are experienced experts in string inverter circle, proven technology create reliable quality.



Easy use

Integrated RS232/WIFI/GPRS, RS485 port, for improved communication. Free monitoring anytime anywhere. Local and remote intelligent maintenance by PC and Apps.

Technical Data	Mercury-5K-S0
Input Data	
Max. DC input power	6500W
Max. DC input voltage	550V
Operation voltage range	80V-540V
Number of independent MPPT / strings per MPPT	2/1+1
MPPT max. current	13A/13A
AC Output Data	
Rated output power	5kW
Max. output power	5.5kW
Rated output voltage	230V/180V-280V
Rated output frequency	50Hz,60Hz/±5Hz
Rated output current	21.8A
Max. output current	24A
Power factor	-0.8~+0.8(adjustable)
THDi	<3%(Nominal Output)
Grid system pattern	L+N+PE
Efficiency	
Max. efficiency	98.2%
Europe efficiency	97.5%
Protection	
Input DC switch	yes
Input over current protection	yes
DC reverse polarity protection	yes
Output over voltage protection	yes
Output over current protection	yes
Anti islanding protection	yes
Insulation impedance protection	yes
RCD detection	yes
General Data	
Dimensions(W/L/H)in mm	330/312/170
Weight	10kg
Noise	<25dB
Operation temperature range	-25°C~+60°C
Heat dissipation mode	Natural
IP Class	IP65
Maximum altitude	4000m
Self-Consumption night	<1w
Topology	Transformerless
Features	
LCD display	yes
Communication interface	WIFI/GPRS/RS485(optional)
Warranty	5 years (standard)
Standards	IEC62109-1,IEC62109-2,NB/T32004,VDE-AR-N4105,EN50549,AS 4777