

HS50K3/HS100K3

Feature

- Wide DC input voltage range
- MPPT efficiency >99.9%
- Use LCD displayer to display in different language screen and set all parameters conveniently
- AC output can connect with low voltage 400V, A/B/C three phase to be chosen needless of order
- Perfect protection function
- Meet State Grid LVRT requirement
- Remote parameter monitoring function
- Remote continuously adjustable power function (0-100%)
- Over temperature linear derating function
- Support multi-parallel

Protection function

- Over/under voltage protection
- Over/under frequency protection
- Anti-islanding protection
- Recovery grid-connected protection
- Over load protection
- Remote parameter monitoring function
- Over temperature protection

Measuring and control function

- Monitoring all data of running machine
- Keep fault and operation record, warning signal when fault



	HS50K3	HS100K3
Input(DC)		
Max. DC power	55kW	110kW
Max. input voltage	880V	880V
Max. input current	122A	245A
MPP voltage range	450~820V	450~820V
DC input / Input terminal	3×M8/ Copper Bar	3×M10/ Copper Bar
Output(AC)		
Rated power	50kW	100kW
Rated grid voltage	400V	400V
Max. output current	80A	160A
Rated grid frequency	50Hz	50Hz
Grid voltage range	340~440V	340~440V
Grid frequency range	49.5~50.2Hz	49.5~50.2Hz
Output current THD(at rated power)	≤3%	≤3%
Power factor at rated power	≥0.99	≥0.99
Output voltage DC component	<0.5%	<0.5%
Grid structure	TT / TN-S / TN-C	TT / TN-S / TN-C
AC output / Output terminal	M8 (AC circuit breaker)	3×M10/ Copper Bar
System data		
Max. efficiency	96.5% (with transformer)	96.8% (with transformer)
European efficiency	96.0% (with transformer)	96.3% (with transformer)
Degree of protection	IP21 (indoor)	IP21 (indoor)
Self-consumption at night	≤40W	≤40W
Operating temperature range	-20°C~+50°C	-20°C~+50°C
Storage temperature range	-40°C~+80°C	-40°C~+80°C
Cooling method	By fan	By fan
Relative humidity	≤95%, non-condensing	≤95%, non-condensing
Max. altitude	6000m	6000m
Fresh air consumption	700m³/h	900m³/h
Display	LCD	LCD
Standard communication	RS485	RS485
Optional communication	Ethernet/GPRS	Ethernet/GPRS
Mechanical data		
Dimensions (W×H×D)	1050×1475×740mm	1000×2160×965mm
Weight	600kg	960kg

HS150K3/HS250K3

Feature

- Wide DC input voltage range
- MPPT efficiency >99.9%
- Use LCD displayer to display in different language screen and set all parameters conveniently
- AC output can connect with low voltage 400V, A/B/C three phase to be chosen needless of order
- Perfect protection function
- Meet State Grid LVRT requirement
- Remote parameter monitoring function
- Remote continuously adjustable power function (0-100%)
- Over temperature linear derating function
- Support multi-parallel

Protection function

- Over/under voltage protection
- Over/under frequency protection
- Anti-islanding protection
- Recovery grid-connected protection
- Over load protection
- Remote parameter monitoring function
- Over temperature protection

Measuring and control function

- Monitoring all data of running machine
- Keep fault and operation record, warning signal when fault



	HS150K3	HS250K3
Input(DC)		
Max. DC power	165kW	275kW
Max. input voltage	880V	880V
Max. input current	367A	600A
MPP voltage range	450~820V	450~820V
DC input / Input terminal	3×M10/ Copper Bar	5 (Number of DC inputs-optional)
Output(AC)		
Rated power	150kW	250kW
Rated grid voltage	400V	400V
Max. output current	240A	390A
Rated grid frequency	50Hz	50Hz
Grid voltage range	340~440V	340~440V
Grid frequency range	49.5~50.2Hz	49.5~50.2Hz
Output current THD(at rated power)	≤3%	≤3%
Power factor at rated power	≥0.99	≥0.99
Output voltage DC component	<0.5%	<0.5%
Grid structure	TT / TN-S / TN-C	TT / TN-S / TN-C
AC output / Output terminal	1×M10/ Copper Bar	3×M8/ Copper Bar
System data		
Max. efficiency	97.3% (with transformer)	97.5% (with transformer)
European efficiency	96.9% (with transformer)	97.0% (with transformer)
Degree of protection	IP21 (indoor)	IP21 (indoor)
Self-consumption at night	≤40W	≤60W
Operating temperature range	-20°C~+50°C	-20°C~+50°C
Storage temperature range	-40°C~+80°C	-40°C~+80°C
Cooling method	By fan	By fan
Relative humidity	≤95%, non-condensing	≤95%, non-condensing
Max. altitude	6000m	6000m
Fresh air consumption	1300m³/h	4000m³/h
Display	LCD	LCD
Standard communication	RS485	RS485
Optional communication	Ethernet/GPRS	Ethernet/GPRS
Mechanical data		
Dimensions (W×H×D)	1450×2145×900mm	1960×1980×870mm
Weight	1350kg	1600kg