

# Solis-255K-EHV-5G, Solis-(208-255)K-EHV

## Solis Three Phase Inverters



### Model:

800V: Solis-255K-EHV-5G   Solis-208K-EHV   Solis-255K-EHV



360 degree



#### Efficient

- ▶ 9/12/14 MPPTs, max. efficiency 99%
- ▶ 200% DC/AC ratio
- ▶ High power tracking density 60MPPT/MW
- ▶ Compatible with bifacial modules



#### Safe

- ▶ IP66
- ▶ Built-in PID recovery for better module performance
- ▶ Fuse free design, safe and maintenance free
- ▶ Globally recognised branded componentry for longer life



#### Smart

- ▶ Night SVG function
- ▶ Intelligent string monitoring. Smart I-V curve scan
- ▶ Remote firmware upgrade with simple operation



#### Economic

- ▶ Power line communication (PLC) (optional)
- ▶ DC side supports two sinks and one access
- ▶ Supports aluminium wire access to reduce cost
- ▶ Reserve DC energy storage access

## Datasheet

Model Name	Solis-255K-EHV-5G	Solis-208K-EHV	Solis-255K-EHV
<b>Input DC</b>			
Max. input voltage	1500V		
Rated voltage	1080V		
Start-up voltage	600V		
MPPT voltage range	580-1500V		
Max. input current	14*26A	9*30A	12*30A
Max. short circuit current	14*40A	9*50A	12*50A
MPPT number/Max. input strings number	14/28	9/18	12/24
<b>Output AC</b>			
Rated output power	255kVA@30°C / 235kVA@40°C / 220kVA@50°C	208kVA@30°C / 200kVA@40°C / 192kVA@50°C	255kVA@30°C / 235kVA@40°C / 220kVA@50°C
Rated grid voltage	3/PE, 800V		
Grid voltage range	640-920V		
Rated grid frequency	50/60Hz		
Max. output current	184.0A	150.1A	184.0A
Power Factor	>0.99 (0.8 leading - 0.8 lagging)		
THDi	<3%		
<b>Efficiency</b>			
Max. efficiency	99.0%		
EU efficiency	98.7%	98.8%	
<b>Protection</b>			
DC reverse-polarity protection	Yes		
Short circuit protection	Yes		
Output over current protection	Yes		
Surge protection	DC Type II / AC Type II		
Grid monitoring	Yes		
Anti-islanding protection	Yes		
Temperature protection	Yes		
Strings monitoring	Yes		
I/V Curve scanning	Yes		
Night time SVG function	Yes		
Anti-PID function	Yes		
Integrated DC switch	Yes		
<b>General Data</b>			
Dimensions (W*H*D)	1125*770*384 mm		
Weight	113kg		
Topology	Transformerless		
Self consumption	<2W (night)		
Operating ambient temperature range	-25 ~ +60°C		
Relative humidity	0-100%		
Ingress protection	IP66		
Cooling concept	Intelligent redundant fan-cooling		
Max. operation altitude	4000m		
Grid connection standard	EN50549, G99, AS4777.2, VDE0126-1-1, IEC 61727, VDE4105, CEA 2019		
Safety/EMC standard	IEC62109-1/-2, EN61000-6-2/-4		
<b>Features</b>			
DC connection	MC4 connector		
AC connection	OT terminal (max. 300 mm <sup>2</sup> )		
Display	LCD		
Communication	RS485, Optional: PLC		