

## Solis-(215-255)K-EHV-5G

# Solis Three Phase Grid-Tied Inverters

### Efficient

- 9/12/14 MPPTs, max. efficiency 99.0%
- > 150% DC/AC ratio
- High power tracking density 56MPPT/MW
- Compatible with 500W+ bifacial modules

### Smart

- Night SVG function
- Intelligent string monitoring, smart I-V curve scan
- Remote firmware upgrade with simple operation

### Safe

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

### Economic

- Power line communication (PLC) (optional)
- DC side supports "Y" connector

### Models:

Solis-215K-EHV-5G-PLUS

Solis-255K-EHV-5G

Solis-255K-EHV-5G-PLUS



360° View

## DATASHEET

## Solis-(215-255)K-EHV-5G

Models	215K-PLUS	255K	255K-PLUS
<b>Input DC</b>			
Max. input voltage		1500 V	
Rated voltage		1080 V	
Start-up voltage		500 V	
MPPT voltage range		480-1500 V	
Max. input current	9*30 A	14*26 A	12*30 A
Max. short circuit current	9*50 A	14*40 A	12*50 A
MPPT number/Max. input strings number	9/18	14/28	12/24
<b>Output AC</b>			
Output power	215 kVA@30°C / 205 kVA@40°C / 195 kVA@50°C	255 kVA@30°C / 235 kVA@40°C / 220 kVA@50°C	
Rated grid voltage	3/PE, 800 V		
Grid voltage range	640-920 V		
Rated grid frequency	50 Hz / 60 Hz		
Max. output current	155.2 A	184.0 A	
Power factor	>0.99 (0.8 leading - 0.8 lagging)		
THDi	<3%		
<b>Efficiency</b>			
Max. efficiency		99.0%	
EU efficiency	98.8%	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	
Integrated PID recovery		Yes	
Integrated DC switch		Yes	
<b>General Data</b>			
Dimensions (W*H*D)		1125*770*384 mm	
Weight	109 kg	113 kg	
Topology		Transformerless	
Self-consumption (night)		<2 W	
Operating ambient temperature range		-30 ~ +60°C	
Relative humidity		0-100%	
Ingress protection		IP66	
Cooling concept		Intelligent redundant fan-cooling	
Max. operation altitude		4000 m	
Grid connection standard		EN50549, G99, AS4777.2, VDE0126, IEC61727, VDE4110, CEA 2019	
Safety/EMC standard		IEC/EN 62109-1/-2, IEC/EN 61000-6-2/-4	
<b>Features</b>			
DC connection		MC4 connector	
AC connection		OT terminal (max. 300 mm <sup>2</sup> )	
Display		LCD	
Communication		RS485, Optional: PLC	