

# Three

## 33KW

### Reliable Safety Efficient

#### Solis Three PV Inverter

- ▶ Three phase output
- ▶ Over 99% Max. efficiency
- ▶ 200V-850V input voltage range
- ▶ 7.0" LCD color screen display (optional)
- ▶ Four MPPT design with precise MPPT algorithm
- ▶ Compact and light design, easy installation
- ▶ IP65, visually pleasing for domestic environment
- ▶ RS 485, WiFi/GPRS (optional) interface
- ▶ Numerous protection functions
- ▶ WiFi and monitoring app available
- ▶ 5 years standard warranty, 10 years optional upgrade



#### Model:

Solis-33K

#### Leading Features:

Fanless

Cooling  
Concept

Four

MPPT

7"

LCD

WiFi/GPRS

Real time  
monitoring

Available on the iPhone  
App Store

Available on the Android  
App Store

## Technical Parameters

Model	Solis-33K
Energy Source	PV
<b>Input Side(DC)</b>	
Max.DC input power(kW)	36
Max.DC input voltage(V)	1000
Start-up voltage(V)	350
MPPT voltage range(V)	200-800
Max.input current(A)	18A+18A+18A+18A
MPPT number/Max input strings number	4/8
<b>Output Side (AC)</b>	
Rated output power(kW)	33
Max. apparent output power(kVA)	33
Max. output power(kW)	33
Rated grid voltage(V)	400
Grid voltage range(V)	304-460
Rated grid frequency(Hz)	50/60
Operation phase	Three
Max. output current(A)	50
Power Factor (at rated output power)	0.8...1...0.8
THDi (at rated output power)	<3%
DC injection current(mA)	<50
Grid frequency range(Hz)	47-52 or 57-62
<b>Efficiency</b>	
Max. efficiency	98.7%
EU efficiency	98.3%/98.3%
MPPTefficiency	>99.9%
<b>Protection</b>	
DC reverse-polarity protection	Yes
Short circuit protection	Yes
Output over current protection	Yes
Output over voltage protection	Yes
Insulation resistance monitoring	Yes
Residual current detection	Yes
Surge protection	Yes
Grid monitoring	Yes
Islanding protection	Yes
temperature protection	Yes
Integrated DC switch	Optional
<b>General Data</b>	
Dimensins(mm)	530W*700H*356.5D (mm)
Weight (kg)	58.2
Topology	Transformerless
Self consumption (night)	< 1W(Night)
Operating ambient temperature range	-25~60℃
Ingress protection	Ip65
Noise emission{typical}	<30 dBA
Cooling concept	Natural convection
Max.operation altitude	4000m
Designed lifetime	> 20years
Grid connection standard	EN50438, G59/3, AS4777, VDE0126-1-1, IEC61727(CQC)
Relative humidity	0~100%
Safty/EMC standard	IEC62109-1/-2, AS3100, EN61000-6-1, EN61000-6-3,
<b>Features</b>	
DC connection	MC-4 Mateable
AC connection	Ip67 Rated Plug
Display	LCD,2×20 Z.
Interface	RS485,WIFI/GPRS(Optional)
Warranty	5-10years