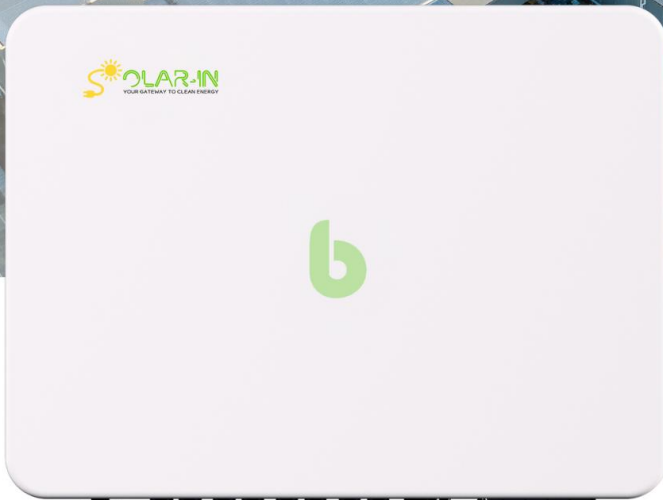


# SON 30-40KTL3

Three Phase On-Grid Solar Inverter



 SOLAR-IN  
YOUR GATEWAY TO CLEAN ENERGY



**Belgian Technology**  
Up to 15-Year Warranty

[www.solarin.be](http://www.solarin.be)

## Efficient • Productive

Max. Efficiency 98.6%  
Wide MPPT Voltage Range: 200-1000V  
High Single Circuit Tracking Accuracy, Fast Dynamic Response

**3-4**

MPPT Trackers

**160%**

DC Input Oversizing

## Safe • Reliable

Intelligent Fault Detection  
AFCI Function (Optional)  
Smart I-V Curve Diagnosis Function

**IP66**

Protection

**DC & AC Type II**

Surge Protection

Compact Design

Easy to Operate and Maintain, Smart Choice

Support RS485 (WiFi/GPRS/Ethernet optional): remote monitoring and operation via PC or mobile phones

Module	SON30KTL3	SON33KTL3	SON36KTL3	SON40KTL3
<b>Input (DC)</b>				
Max. Input Power	48kW	52.8kW	57.6kW	64kW
Max. Input Voltage	1100V			
Start Voltage	250V			
Rated Input Voltage	600V			
Full-load MPPT Voltage Range	500V ~ 800V			
MPPT Voltage Range	200V ~ 1000V			
Number of MPPT Trackers	3		4	
Number of String per MPPT	2			
Max. Current per MPPT	26A			
Max. Short Circuit Current per MPPT	32A			
<b>Output (AC)</b>				
Max. Output Current	48.3A	53A	57.8A	64.3A
Rated Output Power	30kW	33kW	36kW	40kW
Max. Output Power	33.3kVA	36.6kVA	39.6kVA	44kVA
Rated Grid Frequency	50Hz / 60Hz			
Rated Grid Voltage	230Vac / 400Vac, 3L / N / PE			
Power Factor	>0.99 (0.8 leading~0.8 lagging)			
THDi	<3% (Rated Power)			
<b>Efficiency</b>				
Max. Efficiency	98.6%			
European Efficiency	98.5%			
MPPT Efficiency	99.9%			
<b>Protection</b>				
DC reverse polarity protection	Yes			
Anti-islanding protection	Yes			
AC short circuit protection	Yes			
Residual current monitoring unit	Yes			
Insulation resistance monitoring	Yes			
Ground fault monitoring	Yes			
Grid monitoring	Yes			
PV string monitoring	Yes			
Surge protection	Type II			
AFCI protection	Optional			
<b>Communication</b>				
Display	LED+APP LCD (optional)			
Communication	Standard : RS485 Optional: WiFi / GPRS / Ethernet			
<b>Standard Compliance</b>				
Certification	IEC/EN 62109-1/2, IEC/EN 61000-6-1/3, EN50549, IEC61727/IEC62116, CEI 0-21,C10/C11, VDE 4105, VDE 0124, RD244, UNE217001, UNE217002, NC RfG, TOR Erzeuger, AS4777, NRS097-2-1, NB/T 32004			
<b>General Data</b>				
Dimensions (W x H x D)	600 x 430 x 230 mm			
Weight	30kg		32kg	
Operating Temperature Range	-30°C ~ +60°C			
Cooling Method	Smart Cooling			
Protection Degree	IP66			
Max. Operating Altitude	4000m			
Relative Humidity	0 ~ 100%			
Topology	Transformerless			
Night Power Consumption	<1W			