

## Three-phase Grid-tied Solar Inverter Model No. Solec-10~15KTLV-S



### Efficient Higher Revenue

2MPP Trackers, high single circuit tracking accuracy, fast dynamic response

160% DC Input Oversizing

Wide MPPT voltage range: 180V-1000V

Compatible with high-power modules



### Intelligent Simple O&M

Smart I-V Curve Diagnosis Function: Locate PV string faults with precision and effortlessly detect any issues

Intelligent Fault Detection: AC side voltage and current waveforms real-time recorded, fast fault location

Support RS 485 (Wi-Fi/GPRS/Ethernet optional): Remote monitoring and operation via PC or mobile phones



### Reliable Worry Free

IP66 Protection degree: Support outdoor installation

DC & AC Type II SPD: Prevents lightning damage

AFCI Function. When an arc-fault is detected the inverter immediately stops operation



**SOLECTRA**  
BY SM SOLAR PVT. LTD.

	Solec 10KTIV-S	Solec 15KTIV-S
<b>Input (DC)</b>		
Max. Input Power	16000W	24000W
Max. Input Voltage	1100V	
Start Voltage	200V	
Rated Input Voltage	600V	
MPPT Voltage Range	180V ~ 1000V	
Number of MPP Trackers / String per MPPT	2 / 1	
Max. Current per MPPT	18A	
Max. Short Circuit Current per MPPT	25A	
<b>Output (AC)</b>		
Max. Output Current	15.9A	23.9A
Rated Output Power	10000W	15000W
Max. Output Power	11000VA	16500VA
Rated Grid Frequency	50/60Hz	
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	98.70%	
European Efficiency	98.50%	
MPPT Efficiency	99.90%	
<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	
Surge protection	Type II	
AFCI protection	YES/BUILT-IN	
<b>Communication</b>		
Display	LCD	
Communication	Standard: RS485/ USB Optional: Wi-Fi / GPRS / Ethernet	
<b>Standard Compliance</b>		
Grid Connection Standards	IEC 61727, IEC 62116, IEC 60068, IEC 61683, VDE-AR-N 4105, EN 50549, AS/NZS 4777, CEI 0-21, NRS 097-2-1, C10/11, G98/G99	
Safety / EMC	IEC 62109-1, IEC 62109-2, IEC 61000-6-1, IEC 61000-6-3	
<b>General Data</b>		
Dimensions (W x H x D)	481 x 395 x 195 mm	
Weight	13.5Kg	
Operating Temperature Range	-30°C ~ +60°C	
Cooling Method	Natural	Smart forced air cooling
Protection Degree	IP66	
Max. Operating Altitude	4000m	
Relative Humidity	0 ~ 100%	
Topology	Transformer-less	
Night Power Consumption	<1W	