

TLC Series

Three Phase / On-grid
/ 6-25 kW



 **Flexible Design**

 **Efficient Conversion**

 **Grid Friendly**

 **Excellent Qualities**

MODEL	6KTLC	10KTLC	15KTLC	20KTLC	25KTLC
Input(DC)					
Max. DC input power	9000W	15000W	22500W	30000W	37500W
Max. DC input voltage	1100V				
MPPT voltage range	180-1000V				
Max. DC current	20/20A	20/20A	20/30A	30/30A	40/30A
Recommended MPPT operating voltage	650V				
Starting voltage	180V				
No.of MPPT	2				
Max. no.of strings per MPPT	1/1	1/1	1/2	2/2	2/2
Output(AC)					
Rated output power	6000W	10000W	15000W	20000W	25000W
Max. output power	6.6kVA	11kVA	16.5kVA	22kVA	27.5kVA
Max. output current	10A	16.7A	24A	32A	41A
Rated grid voltage	400V				
Grid voltage range	310~480Vac				
Rated grid frequency	50Hz/60Hz				
Grid frequency range	45~55Hz/55~65Hz				
THD	<2%(Under the rated power)				
Power factor	>0.99(Under the rated power)/Adjustable range: 0.8(Leading)~0.8(Lagging)				
DC current injection	<0.5%(Under the rated power)				
System Data					
Max. Efficiency(%)	98.5%	98.6%	98.7%	98.7%	98.8%
Euro. Efficiency(%)	98%	98.2%	98.2%	98.2%	98.2%
Humidity range	0~100%, non-condensing				
Cooling type	Intelligent forced air cooling				
Temperature range	-25~60°C				
Power Consumption at night	<1W				
Max. operating altitude	4000m				
Display	LED(Optional:LCD)				
Communication interface	WIFI(Optional: RS485 or GPRS)				
Protection					
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	Yes				
Mechanical Data					
Size (width x height x depth)	427x450x204mm				
Weight	15kg	15kg	15kg	18kg	18kg
Protection class	IP66				
Standard					
Safety standard/EMC standard	NB/T32004-2018, IEC62109, IEC61000, IS16169 & IS16221(BIS)				
Grid-connected standard	IEC61727, EN50549-1, VDE-4105, NRS-097-2-1, OVE-Richtlinie R25, UNE217001/2, Ordinance No.140				
Other standard	IEC61683, IEC62116, EN50530, IEC60068				

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 If any update, Sunrise would not make further notice. Sunrise reserves the right of final interpretation.