



SE-TH01 5kW - 30kW (Three Phase)

Model	5.0TL3	6.0TL3	8.0TL3	10.0TL3	15.0TL3	P10.0TL3	P15.0TL3	20.0TL3	25.0TL3	30.0TL3
Efficiency										
Max. Efficiency	98.2%				98.3%	98.4%				
European Efficiency	97.8%						98.0%			
Input (PV)										
Max. Input Voltage	1100V									
Max. PV Configuration	150%									
Rated Input Voltage	620V									
Max. Input Current	2*15A				15A+30A		2*30A			40A/30A
Max.Short Circuit Current	2*20A				20A+40A		2*40A			50A/37.5A
Start Input Voltage	180V									
MPPT Operating Voltage Range	160V-1000V									
Max. Number of PV Strings	2(1/1)				3(1/2)		4(2/2)			
No. of MPPTs	2									
Output (Grid)										
Rated AC Active Power	5,000W	6,000W	8,000W	10,000W	15,000W	10,000W	15,000W	20,000W	25,000W	30,000W
Max. AC Apparent Power	5,500VA	6,600VA	8,800VA	11,200VA	16,700VA	11,000VA	16,500VA	22,000VA	27,500VA	33,000VA
Max. AC Output Current	3*8.4A	3*10.1A	3*13.4A	3*17A	3*25.3A	3*16.8A	3*25.3A	3*33.7A	3*39.8A	3*50.2A
Rated AC Voltage	380V / 400V / 415V, 3P+N+PE									
AC Voltage Range①	260V-510V (Adjustable)									
Rated Grid Frequency	50Hz / 60Hz									
Grid Frequency Range②	45Hz-55Hz / 55Hz-65Hz (Adjustable)									
THDI	<3%@Rated Power									
DC Current Injection	<0.5%@Rated Current									
Power Factor	>0.99 Rated power (Adjustable 0.8 LD - 0.8 LG)									
Protection										
DC Switch	Support									
Anti-Islanding Protection	Support									
AC Overcurrent Protection	Support									
AC Short Circuit Protection	Support									
DC Reverse Connection	Support									
Surge Arrester	AC Type II / DC Type II									
Insulation Detection	Support									
Leakage Current Protection	Support									
General										
Topology	Transformerless									
IP Rating	IP66									
Night Self Consumption	<1W									
Cooling	Natural cooling					Fan cooling				
Operating Temperature Range	-25°C to 60°C									
Relative Humidity Range	0-100%									
Max. Operating Altitude	4000m									
Dimensions (W*H*D)	398mm*460mm*190mm									
Weight	16.8Kg				18.7Kg			20.3Kg		
HMI & COM										
Display	Wireless & App + LED, LCD (Optional)									
Communication	RS485, Optional: WiFi / GPRS / 4G / LAN									
Certification										
Safety	IEC62109, IEC61727, IEC62116									
Grid Code	IEC61683, IEC60068, IEC61000									
BIS (R-51002593)	IS 16221 (Part 2) : 2015, IS 16169 : 2014									

Remarks : ①②

The range of output voltage and frequency may vary depending on different grid codes.
Specifications are subject to change without advance notice.

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