



SE-TH01 2kW - 6kW (Single Phase)

Model	2.0TL1	3.0TL1	3.6TL1	SETH01 4.0TL1	5.0TL1	6.0TL1
Efficiency						
Max. Efficiency	97.8%	97.8%	97.8%	98.2%	98.2%	98.2%
European Efficiency	96.5%	96.8%	96.8%	97.0%	97.3%	97.4%
Input (PV)						
Max. Input Voltage	550V					
Max. PV Configuration	150%					
Rated Input Voltage	360V					
Max. Input Current	15A			30A (2*15A)		
Max.Short Circuit Current	20A			40A (2*20A)		
Start Input Voltage	70V			90V		
MPPT Operating Voltage Range	70V-540V					
Max. Number of PV Strings	1			2(1/1)		
No. of MPPTs	1			2		
Output (Grid)						
Rated AC Active Power	2,000W	3,000W	3,600W	4,000W	5,000W	6,000W
Max. AC Apparent Power	2,200VA	3,300VA	3,600VA	4,400VA	5,500VA	6,000VA
Max. AC Output Current	10A	15A	16A	20A	25A	27.3A
Rated AC Voltage	220V / 230V, L+N+PE					
AC Voltage Range①	160V-300V (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	DC Type III / AC Type III					
Insulation Detection	Support					
Leakage Current Protection	Support					
General						
Topology	Transformerless					
IP Rating	IP65					
Night Self Consumption	<1W					
Cooling	Natural cooling					
Operating Temperature Range	-25°C to 60°C					
Relative Humidity Range	0-100%					
Max. Operating Altitude	4000m					
Dimensions (W*H*D)	320mm*344mm*137mm			350mm*347mm*137mm		
Weight	6.5Kg			8.5Kg		
HMI & COM						
Display	Wireless & App + LED, LCD (Optional)					
Communication	Optional: RS485 / WiFi / GPRS / 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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