



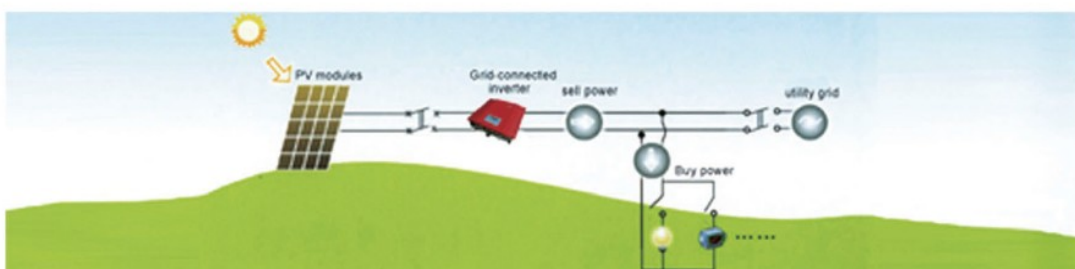
Single-phase grid-connected inverter

Small-scale solar system for domestic and industrial applications

PV grid-connected Inverter

SP1500TL-S/SP2000TL-S

- Indoor or outdoor residential or small commercial applications
- 97.6% Max.Efficiency improving energy harvesting
- High protection class: IP65
- Wide DC input and MPPT voltage range
- Safety protection: over voltage, short circuit, thermal, over loading and anti-islanding protections
- Compact and fanless design,high system reliability
- LCD display, freely to monitor all operation parameters





Technical data

Type	SP1500TL-S	SP2000TL-S
Input(DC)		
Max.DC Voltage[V]	450	500
Start Voltage[V]	150	150
MPPT VoltageRange[V]	125~450	125~450
Min.DC Voltage[V]	125	125
Max.DC Power[W]	1650	2000
Max.DC Current[A]	18	18
MPP tracker number	1	
DC switch	Optional	
Output (AC)		
RatedAC power[W]	1500	2000
Max.AC Power[W]	1650	2000
Max.AC Current[A]	6.25	8.3
Rated AC Grid Voltage [V]	230	
Allowable AC Voltage[V]	180~270	
Rated AC Grid Frequency [Hz]	60	
Allowable AC Frequency [Hz]	55~65	
Total Current Distortion [THD]	<2%(Rated Power)	
Powr Factor[cos]	>0.99(Rated Power)	
Efficiency		
Max. Efficiency	97.5%	
Euro. Efficiency	96.5%	
MPPT. Efficiency	99.9%	
Enviroment		
Ingress Protection	IP65	
Consumption Standby [Night]	1W	
Working Temperature	- 20 ~ 60	
Cooling Method	Natural Convection	
Ambient Humidity	0% ~ 95% Non-Condensing	
Altitude Above Sea Level [m]	Up to 2000	
Display & Interface		
Display	LCD (Backlight)	
Language	English	
Communication Interface	RS485	
Optional Interface	RS232	
Generally Remarks		
Shape Dimensions[W/H/T](mm)	425/405/112	425/405/112
Net Weight [Kg]	14.5	14.5
Islanding effect monitoring	AFD	
Isolation Type	Transformerless	
Noise Level	<40dB	
Standard Warranty [Y]	10	