

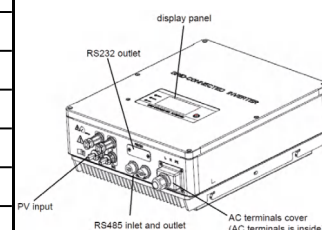
Key Features

- ◆ Single phase Double MPPT string On Grid inverters 3KW to 8KW
- ◆ Double MPPT, MPPT Range 100-450V or 100-500V
- ◆ PV input Array 3-6K 1 array.7-8K 2 array
- ◆ Transformerless design with higher operation efficiency
- ◆ Easy and affordable to install
- ◆ Lightweight and compact size
- ◆ IP65 Grade for outdoor
- ◆ LCD and LED display, RS232 serial communications
- ◆ WIFI/GPRS option
- ◆ Optimal:Internal DC Switch

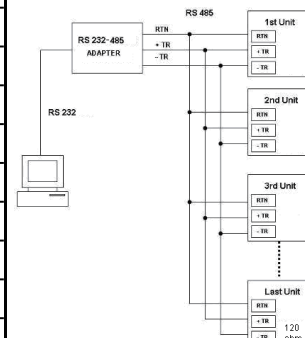


Technical Specifications

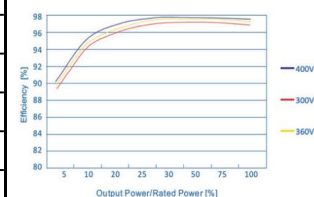
Item	Model	3000TL	4000TL	5000TL	6000TL	7000TL	8000TL
Input (DC side)	Max. DC Input Power	3900W	5200W	6500W	7800W	9100W	10400W
	Max. DC Voltage	500Vdc				600Vdc	
	Start Voltage	150Vdc					
	MPPT Operating Range	100~450Vdc				100~500Vdc	
	Number of MPPT *PV String	2*2					2*3
	Max. Input Current	2*12.5A					12.5/25A
Output (AC side)	Nominal Output Power	3000W	4000W	5000W	6000W	7000W	8000W
	Max. Output Power	3300W	4400W	5500W	6600W	7700W	8800W
	Rated Output Current	13A	17.4A	21.5A	26.1A	30.4A	34.8A
	Max. Output Current	15A	20.0A	25.0A	27.5A	31.8A	36.4A
	Nominal AC Output Voltage	230Vac					
	AC Output Voltage Range	170~280Vac					
	AC Grid Frequency Range	50/60 ±5Hz					
	Power Factor (cosφ)	0.8(leading~lagging)					
	THDI	<3% (at nominal output power)					
Efficiency	Max Efficiency	97.50%	97.50%	97.60%	97.60%	97.80%	97.80%
	Euro Efficiency	97.20%	97.20%	97.20%	97.10%	97.30%	97.30%
	MPPT Efficiency	99.90%	99.90%	99.90%	99.90%	99.90%	99.90%
Display	LED	Inverter normal , Alarm or Fault					
	LCD	PV input VDC, AMP,W, Inverter output VAC, AMP, W, Hz, Today KWH, Total KWH, Time and Fault code					
General Data	Operating Temperature	-25°C~-+60°C					
	Noise (typical)	≤25dB (A)					
	Consumption at night	〈1W					
	Electrical Isolation	Transformerless					
	Cooling Concept	Natural Cooling					
	Degree of Protection	IP65					
	Communication:RS232/WIFI/	yes/opt/opt					
	Dimension (W*D*H mm)	360*135*390				360*180*430	
	Weight (kg)	14.5				18	18.3
Remark		AC grid voltage range and frequency range depend on local standards.					



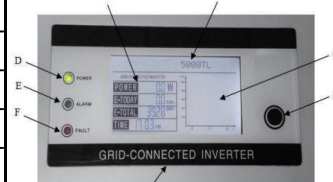
Overview



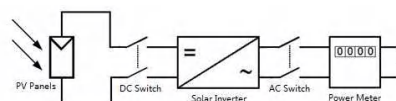
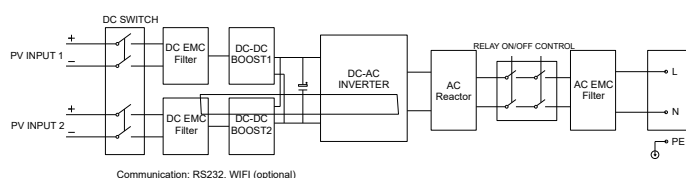
Multiple daisy-chain connection



Typical Efficiency Curve



Control panel



The PV System Diagram

- A- LCD Screen: Display current power + today energy + total energy + current time.
 B- Display operating data + situations + warning/error codes + information.
 C- Display histogram of the power + time.
 D- POWER LED: Indicates running normally.
 E- ALARM LED: Indicates alarm.
 F- FAULT LED: Indicates the fault.
 G- Function Key: set parameter+display language
 H- Description of inverter.
 Note: To save power, the LCD display's backlight automatically turns off after 10 seconds.