

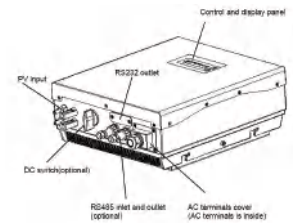
Key Features

- ◆ String On Grid Solar Inverters 1.5KW to 6.0KW
- ◆ MPPT Range 100-450V or 100-500V(2.5-6KW)
- ◆ PV input Array 1-3K 1 array.3.6-6K 2 array
- ◆ Transformerless design with higher operation efficiency
- ◆ Easy and affordable to install
- ◆ Lightweight and compact size
- ◆ IP65 for outdoor application
- ◆ LCD and LED display, with RS232 serial communications
- ◆ Optional:RS485/WIFI/GPRS
- ◆ Optional:Internal DC Switch

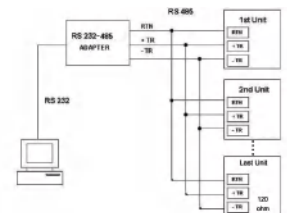


Technical Specifications

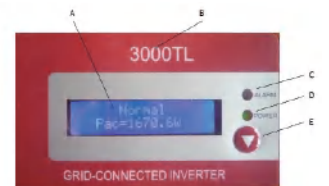
Item	Model	1100TL	1500TL	2000TL	2500TL	3000TL	3600TL	4000TL	5000TL	6000TL
Input (DC Side)	Max. DC Input Power	1250W	1600W	2200W	2700W	3300W	3960W	4400W	5500W	6600W
	Max. DC Voltage	450Vdc				500Vdc				
	Start Voltage	60Vdc	150Vdc							
	MPPT Operating Range	50~450Vdc	100~450Vdc		100~500Vdc					
	Number of Inputs	1					2			
	Number of MPPT	1								
	Max. Input Current	10A			12A	15A	22A			
Output(AC Side)	Nominal Output Power	1100W	1500W	2000W	2500W	3000W	3600W	4000W	5000W	6000W
	Max. Output Power	1100W	1500W	2000W	2500W	3000W	3600W	4000W	5000W	6000W
	Rated Output Current	4.7A	6.5A	8.6A	10.8A	13A	15.7A	17.4A	21.5A	26A
	Max. Output Current	5.3A	7.9A	10.5A	12.5A	15A	17.3A	20A	25A	27.5A
	Nominal AC Output Voltage	230Vac								
	AC Output Voltage Range	170~280Vac								
	AC Grid Frequency Range	50/60±5Hz								
	Power Factor (cosφ)	0.8(leading)~0.8(lagging)								
	THDI	<3%								
Efficiency	Max Efficiency	96.50%	96.50%	97.00%	97.00%	97.20%	97.30%	97.60%	97.60%	97.60%
	Euro Efficiency	95.50%	95.50%	96.20%	96.10%	96.40%	96.50%	97.00%	97.10%	97.10%
	MPPT Efficiency	99.80%	99.80%	99.80%	99.80%	99.60%	99.80%	99.80%	99.80%	99.80%
Display	LED	Inverter normal or Fault								
	LCD	PV input VDC, AMP,W, Inverter output VAC, AMP, W, HZ, Today KWH, Total KWH								
General Data	Operating Temperature	-25℃~+60℃								
	Noise (typical)	≤25dB (A)								
	Consumption at night	〈1W								
	Electrical Isolation	Transformerless								
	Cooling Concept	Natural cooling								
	Degree of Protection	IP65								
	Communication:RS232/	yes/opt								
	RS485/WIFI/GPRS	opt/opt								
	Dimension (W*D*H mm)	290*140*295				350*160*350		360*160*390		
	Weight (kg)	7.5				12		13.5	14	14.5
REMARK		AC grid voltage range and frequency range depend on local standards.								
		SP-*TLS, with internal DC Switch								



Overview



Multiple daisy-chain connection



Control panel

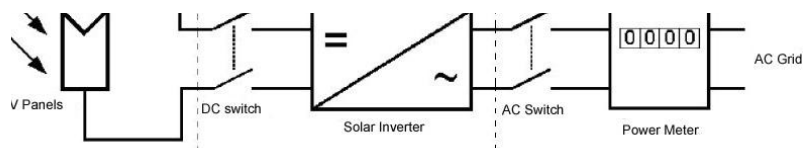
A.LCD Screen: Display the operating data and situations, warning/error codes

B.The model of inverter

C.ALARM LED

D.POWER LED

E. Function Key: Used to set different parameter



The PV System Diagram