

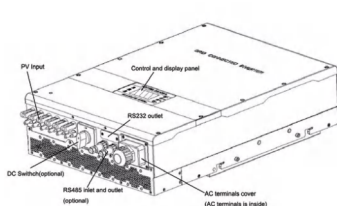
Key Features

- ◆ On Grid string inverter 5KW to 30KW
- ◆ Wide PV input voltage range allows more flexible module selections
- ◆ Transformerless design with higher operation efficiency
- ◆ Easy and affordable to install
- ◆ Lightweight and compact size
- ◆ Firm IP65 inverter enclosure allows outdoor application
- ◆ LCD and LED display
- ◆ Integrated RS485/RS232 serial communications
- ◆ Full data display and communications
- ◆ PC software for remote monitoring and system troubleshooting

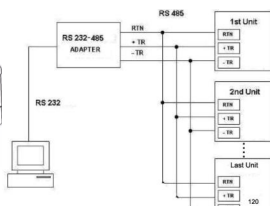


Technical Specifications

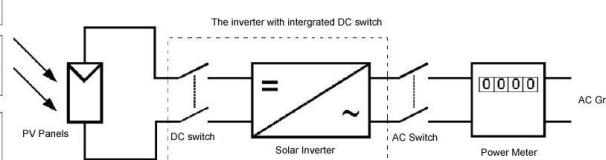
Item	Model (ST)	5000TL+	6000TL+	8000TL+	10000TL+	12000TL+	15000TL+	20000TL+	30000TL+
Input (DC side)	Max. DC Input Power	5500W	6600W	9000W	11200W	13300W	16500W	22000W	33000W
	Max DC Voltage	900Vdc			1000Vdc				
	Start Voltage	250Vdc							
	MPPT Operating Range	250~720Vdc					250~800Vdc		
	Number of Inputs	2				4			6
	Number of MPPT	2							3
	Max. Input Current	2*10.5A			2*11A	2*18A			3*20A
Output (AC side)	Nominal Output Power	5000W	6000W	8000W	10000W	12000W	15000W	20000W	30000W
	Max. Output Power	5000W	6000W	8000W	10000W	12000W	15000W	20000W	30000W
	Rated Output Current	7.3A	8.7A	11.6A	15.2A	16A	22.7A	30.2A	43.0A
	Max. Output Current	7.9A	9.5A	12.7A	16.0A	16A	25A	33.3A	48A
	Nominal Output Voltage	400Vac							
	Output Voltage Range	360~440Vac							
	Grid Frequency Range	50/60±5Hz							
	Power Factor	0.8 (leading)~0.8 (lagging)							
	THDI	<3%							
Efficiency	Max Efficiency	97.60%	97.80%	98.10%	98.10%	98.10%	98.10%	98.20%	98.20%
	Euro Efficiency	97.10%	97.30%	97.30%	97.50%	97.60%	97.50%	97.60%	97.60%
	MPPT Efficiency	99.60%	99.60%	99.60%	99.60%	99.60%	99.60%	99.60%	99.60%
General Date	Operation Temperature	-25°C~+60°C							
	Noise	≤25dB (A)			≤50dB (A)		≤25dB (A)		
	Consumption at night	<1W							
	Electrical Isolation	Transformerless							
	Cooling Concept	Natural Cooling							
	Degree of Protection	IP65							
	Communication:RS232/	yes/yes							
	RS485/WIFI/GPRS	opt/opt							
	Dimension (W*D*H mm)	355*180*450			410*210*528		470*259*608		470*260*785
	Weight (kg)	18			26		42	45	54
Remark		AC grid voltage range and frequency range depend on local standards.							



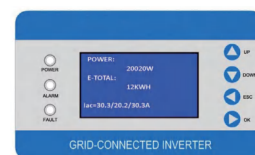
Overview



Multiple daisy-chain connection



The PV System Diagram



Control panel