



SUNTREE

ON GRID 3 PHASE STRING INVERTER

NET METERING BASED ON GRID INVERTERS

KEY SALIENT FEATURES

- > Support 500W Plus Solar Panels
- > Support double glass PV module multiple MPPT design,
- > Maximum efficiency of 98.1 to 99.9%
- > Big LCD screen, multi-function buttons, wide input voltage 250~1100VDC
- > Diverse communication connection RS232, RS485, Wi-Fi and GPRS
- > IP65 protection degree, natural cooling
- > String level monitoring. efficient and quick fault diagnosis



*Terms & Condition Applies

Wi-Fi Plug
Included



Anti-Reverse Power
Controller - Optional

Certification



Solar JFY Android Application

MODELS	10K TL+	20K TL+	30K TL+	50K TL+
INPUT (DC SIDE)				
Max. DC Input power (W)	12000	24000	36000	60000
Max. DC voltage (VDC)	1000	1000	1000	1100
Start voltage (VDC)	200	200	200	200
MPPT voltage range (VDC)	200~960	200~960	200~960	200~1000
Numbers of inputs	2	4	6	10
Numbers of MPPT	2	2	3	4
Max. Input current (A)	2*13	2*25	3*25	18/28/19/28
OUTPUT (AC SIDE)				
Rated output power (W)	10000	20000	30000	50000
Max. output power (VA)	12000	24000	36000	60000
Rated output current (A)	14.4	28.9	43.3	72.2
Max. output current (A)	15.8	31.8	47.6	79.4
Rated output voltage (VAC)	400	400	400	400
Output voltage range (VAC)*	323-480	323-480	323-480	323-480
Grid frequency range (Hz)*	50/60±5	50/60±5	50/60±5	50/60±5
Power factor (cos)	0.8 (Leading)	0.8 (Leading)	0.8 (Leading)	0.8 (Leading)
	0.8 (Lagging)	0.8 (Lagging)	0.8 (Lagging)	0.8 (Lagging)
THDI	<3%	<3%	<3%	<3%
EFFICIENCY				
Max. efficiency	98.1%	98.2%	98.2%	98.5%
Euro. efficiency	97.9%	97.6%	97.6%	98.1%
MPPT efficiency	99.8%	99.8%	99.9%	99.9%
PROTECTION				
Built-in protection	DC Reverse Polarity, Short Circuit, Output Over Current, Output Over Voltage, Insulation Resistance Monitoring			
Lighting protection	Residual Current Detection, Surge Protection, Anti-island Protection, Over Temperature Protection			
DC Type/AC Type				
GENERAL DATA				
Operating temperature (°C)	-25~+60	-25~+60	-25~+60	-25~+60
Noise [dB (A)]	≤30	≤30	≤30	≤60
Night power consumption (W)	<2	<2	<2	<2
Electrical isolation	Transformerless	Transformerless	Transformerless	Transformerless
Cooling concept	Natural Cooling	Natural Cooling	Natural Cooling	Forced Air Cooling
Degree of Protection	IP65	IP65	IP65	IP65
Communication:RS232/RS485/Wi-Fi/GPRS	Yes/Opt	Yes/Opt	Yes/Opt	Yes/Opt
Dimensions (W*D*H mm)	355*190*450	410*210*528	476*258*830	545*270*782
Weight (kg)	18	28	42	58

*AC grid voltage range and frequency depends on local standards.

Note: Product specifications are subject to change without further notice

