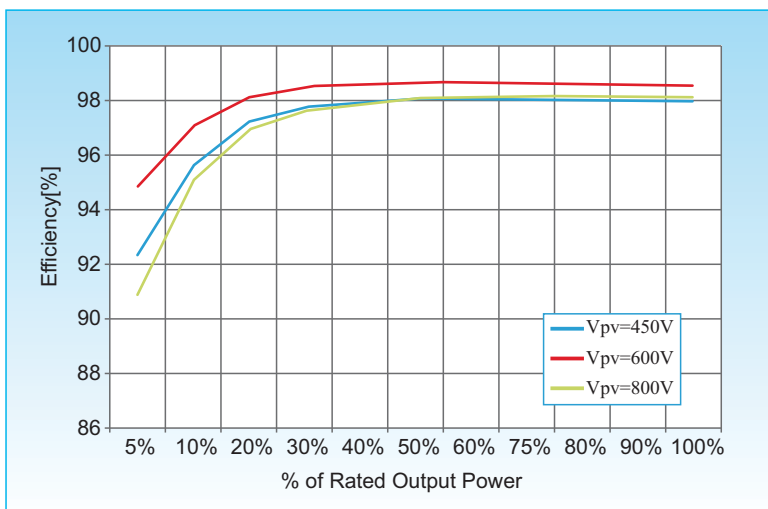


30000TL/33000TL/40000TL



Efficiency Curve

High-yield

- Max 98.7% efficiency
- Real time precise MPPT algorithm for max harvest
- Wide input voltage operation range from 250V to 960V

All in one, flexible and economical system solution

- DC switch
- DC surge protection device (option)
- AC surge protection device (option)
- Built-in PV Combiner
- Power management unit
- Optimum selection for big PV plants, commercial buildings...

Low maintenance cost

- Detachable cover for easy installation
- Rust-free aluminum covers
- Flexible monitoring solution
- Multi function relay can be configured to show various inverter information

Intelligent grid management

- ZVRT support
- Reactive power adjustable
- Self power reducer when over frequency
- Remote active/reactive power limit control

» 30000TL/33000TL/40000TL

Technical Data	SOFAR 30000TL	SOFAR 33000TL	SOFAR 40000TL
Input(DC)			
Max.Input power	30720W	34000W	40800W
Max DC power for single MPPT	18000W(480V-800V)	20000W(480V-800V)	20400W(570V-800V)
Number of independent MPPT	2		
Number of DC inputs	4 for each MPPT		
Max. input voltage	1000V		
Start-up input voltage	350V		
Rated input voltage	600V	600V	700V
MPPT voltage range	250V-960V		
Full load DC voltage range	480V-800V	480V-800V	560V-800V
Max. input MPPT current	64A(32A/32A)	70A(35A/35A)	70A(35A/35A)
Max. input current per string	12A		
Output(AC)			
Rated power(@230V,50Hz)	27600W	30000W	36000W
Max. AC power	30000VA	33000VA	40000VA
Max. output current	43A	48A	48A
Nominal Grid Voltage	3/N/PE,3/PE,230/400Vac	3/N/PE,3/PE,230/400Vac	3/N/PE, 277/480Vac OR 3/PE, 277/480Vac
Grid Voltage Range	180Vac-270Vac	180Vac-270Vac	245Vac-305Vac
Nominal Frequency	50/60Hz		
Grid frequency range	47~53 / 57~63Hz (According to local standard)		
Active power adjustable range	0~100%		
THDi	<3%		
Power factor	1(Adjustable +/-0.8)		
Performance			
Max efficiency	98.5%	98.5%	98.7%
European weighted efficiency	98.2%	98.2%	98.4%
Self-consumption at night	<1W		
Feed-in start power	45W		
MPPT efficiency	>99.5%		
Protection			
DC reverse polarity protection	Yes		
DC switch	Yes		
Protection class /overvoltage category	I/III		
Input/output SPD(II)	Optional		
Safety protection	Anti islanding, RCMU, Ground fault monitoring		
Certification	CE,CGC,ZVRT,AS4777,AS3100,VDE4105,C10-C11,G59(more available on request)		
Communication			
Power management unit	According to certification and request		
Standard Communication Mode	RS485, Wifi (optional),GPRS(optional), SD card, Multi-function relay		
Operation Data Storage	25 years		
General data			
Ambient temperature range	-25°C...+60°C		
Topology	Transformerless		
Degree of protection	IP65		
Allowable relative humidity range	0...95% no condensing		
Max.operating altitude	3000m		
Noise	<30dB	<45dB	<45dB
Weight	50kg		
Cooling	Natural	Fan	Fan
Dimension	767*564*295mm		
Display	LCD display		
Warranty	10 years		