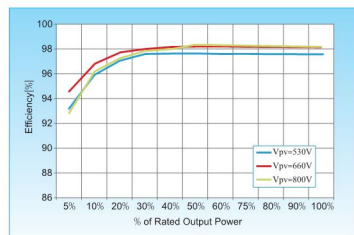


Save your energy

Three Phase Inverter

50000TL / 60000TL / 70000TL



Efficiency Curve

High-yield

- Max 98.6% 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
- 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

Datasheet

	50000TL	60000TL	70000TL	
Input(DC)				
Max input power	55000W	66000W	77000W	
Max DC power for single MPPT	22000W(500V-800V)	22000W(530V-800V)	26000W(660V-800V)	
Number of independent MPPT	3			
Number of DC inputs	4/3/3	4/4/4		
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	500V-800V	530V-800V	660V-800V	
Max. input MPPT current	40A/30A/30A	40A/40A/40A	40A/40A/40A	
Max. input current per string	12A			
Output(AC)				
Rated power(@230V,50Hz)	50000W	60000W	70000W	
Max. AC power	50000VA	60000VA	70000VA	
Max. output current	80A	90A	90A	
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%	98.6%	98.6%	
European weighted efficiency	98.3%	98.4%	98.4%	
Self-consumption at night	<1W			
Feed-in start power	45W			
MPPT efficiency	>99.9%			
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	IEC 62116, IEC 61727, IEC 61683, IEC 60068(1, 2, 14, 30), IEC 62109-1/2, CE, CGC, ZVRT, AS4777, AS3100, VDE4105, C10-C11, 659(more available on request)			
SPD	MOV : Type III standard / Type II optional			
ARPC	Anti Reverse Power Controller(optional)			
Communication				
Power management unit	According to certification and request			
Standard Communication Mode	RS485, Wifi (optional), SD card, Multi-function relay			
Operation Data Storage	25 years			
General data				
Ambient temperature range	-25℃...+60℃			
Topology	Transformerless			
Degree of protection	IP65			
Allowable relative humidity range	0...100% no condensing			
Max.operating altitude	4000m			
Noise	<60dB			
Weight	68kg	70kg		
Cooling	Fan			
Dimension	737*713*297mm			
Display	LCD display			
Warranty	5 years			