

EVVO

World Class Solar String Inverters



High Performance



High Efficiency



Warranty



World Class On Grid Solar Inverters



Service Help Line
1800-572-4090

EVVO

World Class Solar String Inverters



High Performance



High Efficiency

EVVO 1100TL / 1600TL / 2200TL / 3000TL

Single Phase Inverter Single MPPT

High-yield

- Max 97.2% efficiency
- Real time precise MPPT algorithm for max harvest
- Wide input voltage operation range

All in one, flexible and economical system solution

- Free site selection due to IP65
- Easy installation and maintenance due to "Plug & play Connection"
- Interface selection - Wi-Fi / RS485 / GPRS
- 4 inch LED display
- Build in zero export function (Optional)

Low maintenance cost

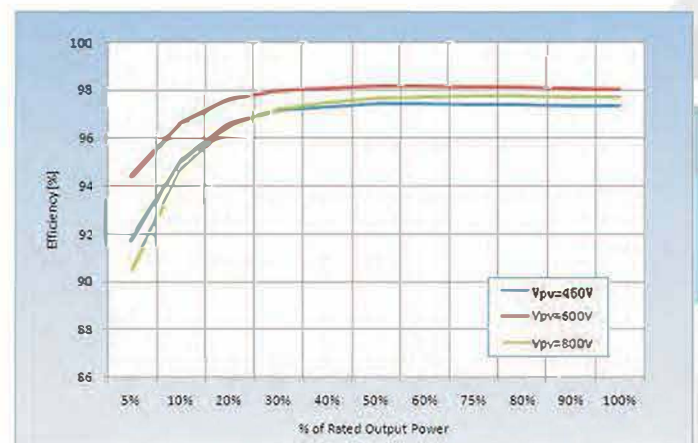
- Detachable cover for easy installation
- Rust-free aluminum covers
- Flexible monitoring solution

Intelligent grid management

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



Efficiency Curve



EVVO 1100TL /1600TL / 2200TL / 3000TL

Single Phase Inverter Single MPPT

Data Sheet	1100W	1600W	2200W	3100W
Input(DC)				
Max. Input Power	1200W	1800W	2400W	3300W
Number of MPPT/String per MPPT			1/1	
Max. input voltage	450V			
Start-up input voltage	100V			
Rated input voltage			360V	
MPPT voltage range	80-450 V			
Full load DC voltage range	110-450 V	165-450 V	170-500 V	200-500 V
Max. input current	10A		13A	15A
Output(AC)				
Rated Power	1000W	1550W	2100W	3100W
Max. AC Power	1000VA	1550VA	2100VA	3100VA
Max.AC Output Current	4.5A	7A	9.5A	13A
Nominal Grid Voltage			230V	
Grid Voltage Range			180~270 V(According to local standard)	
Nominal Frequency			50/60Hz	
Grid frequency Range			47~53 / 57~63Hz (According to local standard)	
THDi			<3%	
Power factor			1 (adjustable +/-0.8)	
Grid connection			Single phase	
Power Limit export			Zero export or adjustable power limit export	
Efficiency				
Max. efficiency		97%		97.2%
Euro efficiency	95.2%	95.9%	96.1%	96.5%
MPPT adaptation efficiency			>99.9%	
Standard				
EMC			EN 61000-6-1,EN 61000-6-2,EN 61000-6-3,EN 61000-6-4	
Safety standards			IEC 62116,IEC 61727,IEC 61683,IEC 60068(1,2,14,30),IEC62109-1/2	
Grid standards			AS 4777, VDE V 0124-100, VDE V 0126-1-1, VDE-AR-N 4105, EN50438, G83/2, C10/11, RD1699	
Protection				
Anti-Islanding Protection			Yes	
DC Reverse Polarity Protection			Yes	
Over Temp Protection			Yes	
Leakage Current Protection			Yes	
Over Voltage Protection			Yes	
Over Current Protection			Yes	
Earth Fault Protection			Yes	
SPD			MOV : Type III standard	
Communication				
Standard Communication Mode			WiFi , RS485 , GPRS(optional) , SD card	
Operation Data Storage			25 years	
I/O			Yes	
General Date				
DC Switch			Yes	
Ambient temperature range			-25°C...+60°C	
Topology			Transformerless	
Cooling			Natural	
Allowable relative humidity range			0...100% no condensing	
Max.operating altitude			2000m	
Noise			<25db@1m	
Degree of Protection(per IEC 60529)			IP65	
Dimension			405*314*135 mm	
Weight	11kg			12kg
Self-consumption at night			<1w	
Display			LCD display	
Warranty			5 years/7 years/10 years	



World Class Solar String Inverters

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World Class Solar String Inverters



High Performance



High Efficiency

EVVO 4000TLG2 / 5000TLG2 / 6000TLG2

Single Phase Inverter Dual MPPT

High-yield

- Max 97.6% efficiency
- Real time precise MPPT algorithm for max harvest
- Wide input voltage operation range

All in one, flexible and economical system solution

- Free site selection due to IP65
- Easy installation and maintenance due to "Plug & play Connection"
- Interface selection - Wi-Fi / RS485 / GPRS
- 4 inch LED display
- Build in zero export function (Optional)

Low maintenance cost

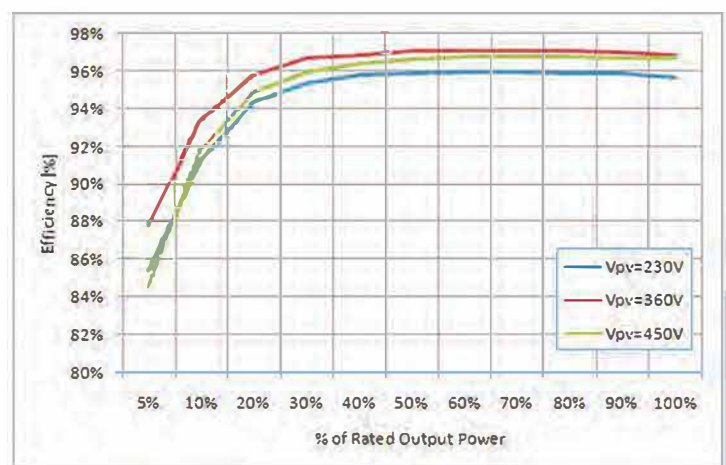
- Detachable cover for easy installation
- Rust-free aluminum covers
- Flexible monitoring solution

Intelligent grid management

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



Efficiency Curve



EVVO 4000TLG2 / 5000TLG2 / 6000TLG2

Single Phase Inverter Dual MPPT

Data Sheet		4000W	5000W	6000W
Input(DC)				
Max. Input power		4400W	5500W	6600W
Max DC power for single MPPT		2600(200V-500V)	3000(200V-500V)	3150(250V-520V)
Number of independent MPPT		2		
Number of DC inputs		1 for each MPPT		
Max. input voltage		600V		
Start-up input voltage		120V		
Rated input voltage		360V		
MPPT voltage range		100V-580V		
Full load DC voltage range		165V-520V	175V-520V	250V-520V
Max. input current per MPPT		13A/13A	15A/15A	
Input short circuit current for each MPPT		16A	18A	
Output(AC)				
Rated power		4000W	5000W	6000W
Max. AC power		4000VA	5000VA	6000VA
Max. output current		17.5A	22A	26A
Nominal Grid Voltage		230V		
Grid Voltage Range		180~270 V(According to local standard)		
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)		
Power Limit export		Zero export or adjustable power limit export		
Performance				
Max. efficiency		97.6%		
Weighted eff. (EU/CEC)		97.1%/97.3%		
Self-consumption at night		<1W		
Feed-in start power		20W		
MPPT efficiency		>99.9%		
Protection				
DC reverse polarity protection		Yes		
DC switch		Yes		
Protection class / overvoltage category		I/III		
Input / output MOV (III)		Yes		
Safety protection		Anti islanding, RCMU, Ground fault monitoring		
Certification		IEC 62116, IEC 61727, IEC 61683, IEC 60068(1,2,14,30), IEC62109-1/2 CE, CGC, AS4777, AS3100, VDE 4105, C10-C11, G83/G59 (more available on request)		
SPD		MOV : T2oc III standard		
Communication				
Standard Communication Mode		WiFi , RS485、GPRS、SD card(optional)		
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...100% no condensing		
Max. operating altitude		2000m		
Noise		<25dB		
Weight	18kg			19kg
Cooling		Natural		
Dimension		344*478*170mm		
Display		LCD display		
Warranty		7 years		



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World Class Solar String Inverters



High Performance



High Efficiency

EVVO 3000TL3P / 4000TL3P / 5000TL3P
/ 6000TL3P / 8000TL3P / 10000TL3P / 12000TL3P

Three Phase Inverter Dual MPPT



High-yield

- Max 98.3% efficiency
- Real time precise MPPT algorithm for max harvest
- Wide input voltage operation range from 160V to 960V

All in one, flexible and economical system solution

- DC switch
- 4 inch screen, English display
- Optimum selection for big PV plants, commercial buildings.

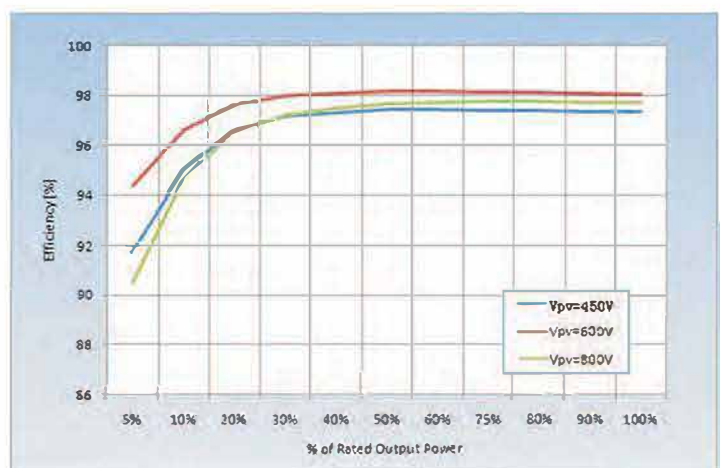
Low maintenance cost

- High power density
- Rust-free aluminum covers
- Flexible monitoring solution
- Small size, lightweight

Intelligent grid management

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

Efficiency Curve



EVVO 3000TL3P / 4000TL3P / 5000TL3P / 6000TL3P / 8000TL3P 10000TL3P / 12000TL3P

Three Phase Inverter Dual MPPT

Data Sheets	3000W	4000W	5000W	6000W	8000W	10000W	12000W
Input(DC)							
Typical PV Power	3600W	4800W	6000W	7200W	9600W	12000W	14400W
Max DC power per MPPT	3600W(300V-850V)	4800W(440V-850V)	6000W(545V-850V)	7200W(660V-850V)	8800W(800V-850V)	8800W(800V-850V)	8800W(800V-850V)
Number of independent MPPT	2						
Number of DC inputs	1 for each MPPT						
Max. input voltage	1000V						
Start-up input voltage	180V						
Rated input voltage	600V						
MPPT voltage range	160V-960V						
Full load DC voltage range	190V-850V	190V-850V	240V-850V	290V-850V	380V-850V	480V-850V	575V-850V
Max. input current per MPPT	11A/11A						
Input short circuit current for each MPPT	14A						
Output(AC)							
Rated power	3000W	4000W	5000W	6000W	8000W	10000W	12000W
Max. AC power	3300VA	4400VA	5500VA	6600VA	8800VA	11000VA	13200VA
Max. output current	4.8A	6.4A	8.0A	9.6A	12.8A	15.9A	19.1A
Nominal Grid Voltage	3/N/PE,220/380			3/N/PE,230/400	3/N/PE,240/415		
Grid Voltage Range	184V-276V(According to local standard)						
Nominal Frequency	50/60Hz						
Grid frequency range	50Hz, +/- 5Hz (According to local standard)						
Active power adjustable range	0~100%						
THDi	<3%						
Power factor	1 (adjustable +/-0.8)						
Performance							
Max. efficiency	98%				98.3%		
Weighted eff. (EU/CEC)	97.5%				98%		
Self-consumption at night					<1W		
Feed-in start power					45W		
MPPT efficiency					>99.9%		
Protection							
DC reverse polarity protection					Yes		
DC switch					Yes		
Safety protection					Yes		
Certification	IEC 62116,IEC 61727,IEC 61683,IEC 60068(1,2,14,30),IEC 62109-1/2 CE, CGC, AS4777,AS3100,VDE 4105,C10-C11,G83/G59(more available on request)						
ARPC	Anti Reverse Power Controller(optional)						
Communication							
Standard Communication Mode	wifi , GPRS(optional),SD card,RS485						
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...100% no condensing						
Max.operating altitude	2000m						
Noise	<29dB						
Weight	21kg				22kg		
Cooling	Natural						
Dimension	483*452*200mm						
Display	LCD display						
Warranty	7 years						



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High Performance



High Efficiency

EVVO 15000TL3P

Three Phase Inverter Dual MPPT

High-yield

- Max **98.2%** 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)
- Power management unit
- Optimum selection for big PV plants, commercial buildings...

Low maintenance cost

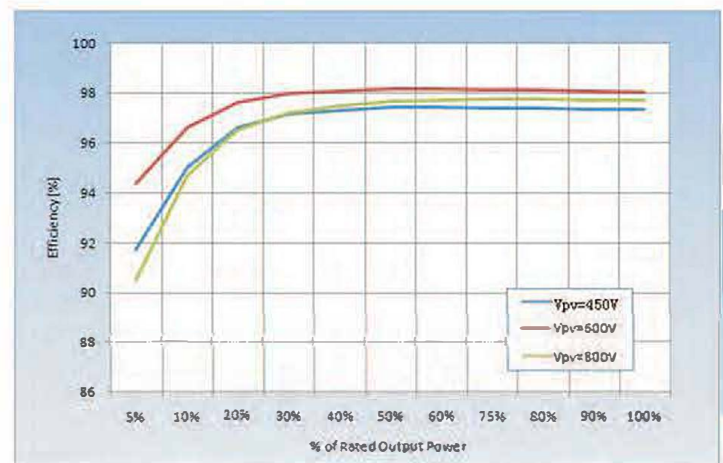
- Detachable cover for easy installation
- Rust-free aluminum covers
- Flexible monitoring solution
- Multi function relay can be configured to show various inverter information

Intelligent grid management

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



Efficiency Curve



EVVO 15000TL3P

Three Phase Inverter Dual MPPT

Data Sheets

15000W

Input(DC)

Max. Input power	16500W
Max DC power for single MPPT	10500(500V-850V)
Number of independent MPPT	2
Number of DC inputs	2 for each MPPT
Max. input voltage	1000V
Start-up input voltage	350V
Rated input voltage	600V
MPPT voltage range	250V-960V
Full load DC voltage range	370V-850V
Max. input current per MPPT	21A/21A
Input short circuit current for each MPPT	27A

Output(AC)

Rated power(@230V,50Hz)	15000W
Max. AC power	15000VA
Max. output current	22A
Nominal Grid Voltage	3/N/PE,220/380 or 3/N/PE,240/415 or 3/N/PE,230/400
Grid Voltage Range	180V ~ 270V
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	98.2%
Weighted eff. (EU/CEC)	97.9%/98%
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, AS4777, AS3100, VDE4105, C10-C11, G59 (more available on request)
SPD	MOV : Type III standard / Type II optional
ARPC	Anti Reverse Power Controller(optional)

Communication

Standard Communication Mode	RS485, Wifi, 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...100% no condensing
Max.operating altitude	2000m
Noise	<45dB
Weight	45kg
Cooling	Natural
Dimension	707*492*240mm
Display	LCD display
Warranty	7 years



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EVVO

World Class Solar String Inverters



High Performance



High Efficiency

EVVO 20000TLG23P / 25000TLG23P
/ 30000TLG23P / 33000TLG23P

Three Phase Inverter Dual MPPT

High-yield

- Max 98.6% efficiency
- Real time precise MPPT algorithm for max harvest
- Wide input voltage operation range from 230V to 960V

All in one, flexible and economical system solution

- DC switch
- Built-in PV Combiner
- Power management unit
- Optimum selection for big PV plants, commercial buildings...

Low maintenance cost

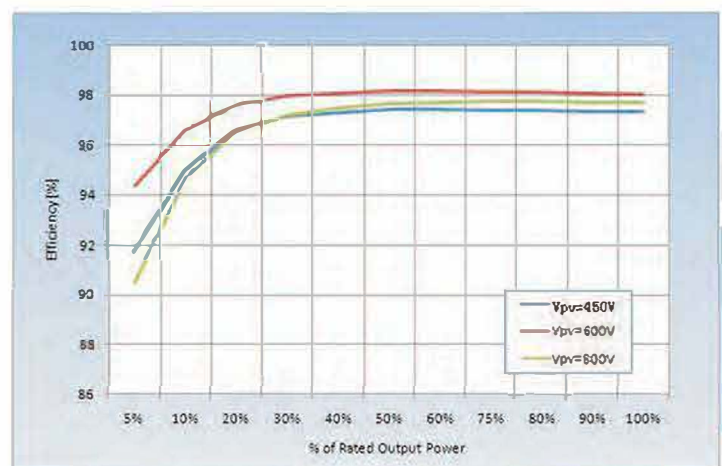
- Detachable cover for easy installation
- Rust-free aluminum covers
- Flexible monitoring solution
- Multi function relay can be configured to show various inverter information

Intelligent grid management

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



Efficiency Curve



EVVO 20000TLG23P / 25000TLG23P / 30000TLG23P / 33000TLG23P

Three Phase Inverter Dual MPPT

Data Sheets	20000W	25000W	30000W	33000W
Input(DC)				
Max. Input power	26000W	32500W	39000W	42900W
Max DC power for single MPPT	13000W	16000W	18000W	20000W
Number of independent MPPT	2			
Number of DC inputs	2 for each MPPT	3 for each MPPT		
Max. input voltage	1100V			
Start-up input voltage	250V(+/-1V)			
Rated input voltage	620V	620V	620V	620V
MPPT voltage range	230V-960V			
Full load DC voltage range	480V-850V	460V-850V	520V-850V	580V-850V
Max. input MPPT current	24A/24A	28A/28A	30A/30A	30A/30A
Output(AC)				
Rated power(@230V,50Hz)	20000W	25000W	30000W	33000W
Max. AC power	22000VA	27500VA	33000VA	36300VA
Max. output current	32A	40A	48A	53A
Nominal Grid Voltage	3/N/PE, 230/400Vac			
Grid Voltage Range	310Vac - 480Vac			
Nominal Frequency	50/60Hz			
Grid frequency range	45~55Hz/ 55~65Hz(According to local standard)			
Active power adjustable range	0~100%			
THDi	<3%			
Power factor	1(Adjustable +/-0.8)			
Performance				
Max efficiency	98.2%	98.4%	98.4%	98.6%
European weighted efficiency	98.0%	98.2%	98.2%	98.2%
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			
Safety protection	Anti islanding, RCMU, Ground fault monitoring			
Certification	IEC 62116,IEC 61727,IEC 61683,IEC 60068(1,2,14,30),IEC62109-1/2 CE,CGC,ZVRT,AS4777,AS3100,VDE4105,C10-C11,G59(more available on request)			
ARPC	Anti Reverse Power Controller(optional)			
Communication				
Standard Communication Mode	RS485, Wifi,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...100% no condensing			
Max.operating altitude	<2000M			
Noise	<30dB	<45dB	<45dB	<45dB
Weight	37kg			
Cooling	Natural	Fan	Fan	Fan
Dimension	666*512*254mm			
Display	LCD display			
Warranty	7 years			



World Class Solar String Inverters

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World Class Solar String Inverters

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MANUFACTURING HUB

Solar Inverters

EVVO

Shenzhen - China



Solar Panels

EVVO

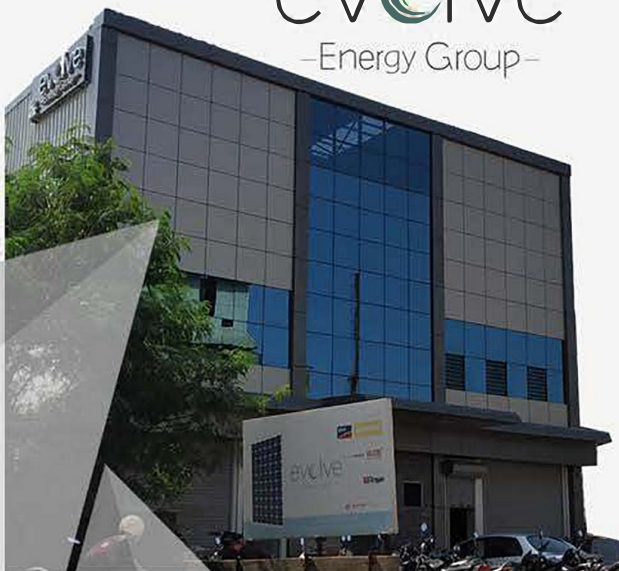
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