

- ◆ DSP controller
- ◆ Mitsubishi IPM Module inside
- ◆ MPPT (Maximum Power Point Tracking) technology
- ◆ High efficiency up to 95%
- ◆ Perfect protect functions include anti-islanding
- ◆ In accordance with IEEE929-2000,UL1741
- ◆ Quick and easy installation
- ◆ A LCD display for monitoring all system information
- ◆ Can set the operation parameters via LCD and keys
- ◆ Suit to connecting with small wind turbine
- ◆ CE Certificate



TYPE SG1.5KTL

PV Grid-connected inverter

T echnical Parameters

Isolated style	Transformerless
Recommended max. PV power	1800Wp
Max. DC input voltage (−10°C, 1000W/m ²)	450 V
MPP voltage range	150V~450 V
Connection with PV cables	DC plug connectors
Max. DC input current	10 A
Nominal AC output power	1500 W
Total Harmonic Distortion (THD)	< 4 %
Power Factor	>0.99
Max. Efficiency	94 %
Europe Efficiency	92.5 %

Operating range of utility voltage	180~265 VAC
Operating range of utility frequency	47~51.5Hz (can be set)
Self consumption at night	<0.5W
Communication Interfaces	Rs485
Waterproof and Dustproof Class(EN 60529)	IP41(indoor)
Operation Surroundings Temperature	− 25°C ~ + 60°C
Noise level	<40dB
Cooling	Natural cooling
Size (W x H x D)	288 x 410 x 126 mm
Weight	10.3kg
Standards	IEEE929.EN61000

- ◆ DSP controller
- ◆ Mitsubishi IPM Module inside
- ◆ MPPT (Maximum Power Point Tracking) technology
- ◆ High efficiency up to 94%
- ◆ Perfect protect functions include anti-islanding
- ◆ In accordance with IEEE929-2000,UL1741
- ◆ Quick and easy installation
- ◆ A LCD display for monitoring all system information
- ◆ Can set the operation parameters via LCD and keys
- ◆ Stainless steel shell with outdoor seal (IP65)
- ◆ Suit to connecting with small wind turbine
- ◆ CE Certificate



TYPE SG3K

PV Grid-connected inverter

T echnical Parameters

Isolated style	Low frequency transformer
Recommended max. PV power	3600Wp
Max. DC input voltage (−10℃, 1000W/m ²)	450 V
MPP voltage range	200V~450 V
Connection with PV cables	DC plug connectors
Max. DC input current	18 A
Nominal AC output power	3000 W
Total Harmonic Distortion (THD)	< 4 %
Power Factor	>0.99
Max. Efficiency	94 %
Europe Efficiency	92 %

Operating range of utility voltage	180~265VAC
Operating range of utility frequency	47~51.5Hz (can be set)
Self consumption at night	<0.5W
Communication Interfaces	RS485
Waterproof and Dustproof Class(EN 60529)	IP65(outdoor)
Operation Surroundings Temperature	− 25℃ ~+ 60℃
Noise level	<40dB
Cooling	Natural cooling
Size (W x H x D)	490 x 385 x 177 mm
Weight	44kg
Standards	IEEE929.EN61000

- ◆ High DC input voltage up to 780V
- ◆ Mitsubishi IPM Module inside
- ◆ DSP controller
- ◆ MPPT (Maximum Power Point Tracking) technology
- ◆ High efficiency up to 94%
- ◆ Perfect protect functions include anti-islanding
- ◆ In accordance with IEEE929-2000,UL1741
- ◆ Quick and easy installation
- ◆ A LCD display for monitoring all system information
- ◆ Can set the operation parameters via LCD and keys
- ◆ Suit to connecting with small wind turbine
- ◆ CE Certificate



TYPE SG5K

PV Grid-connected inverter

Technical Parameters

Isolated style	Lowfrequency transformer
Recommended max. PV power	6000Wp
Max. DC inputvoltage (-10℃ , 1000W/m ²)	780 V
MPP voltage range	200V~780 V
Connection with PV cables	DCplug connectors
Max. DC input current	25 A
Nominal AC output power	5000 W
Total Harmonic Distortion (THD)	< 4 %
Power Factor	>0.99
Max. Efficiency	94 %
Europe Efficiency	92 %

Operating range of utility voltage	180 ~ 265 V A C
Operating range of utility frequency	47~51.5Hz (can beset)
Self consumption at night	<0.5W
Communication Interfaces	RS485/Ethernet
Waterproof and Dustproof Class(EN 60529)	IP21 (indoor)
Operation Surroundings Temperature	- 25℃ ~+ 60℃
Noise level	<40dB
Cooling	controlled fan cooling
Size (W x H x D)	350 x 569 x 243 mm
Weight	57kg
Standards	IEEE929.EN61000

- ◆ High DC input voltage up to 780V
- ◆ Mitsubishi IPM Module inside
- ◆ DSP controller
- ◆ MPPT (Maximum Power Point Tracking) technology
- ◆ High efficiency up to 94%
- ◆ Perfect protect functions include anti-islanding
- ◆ In accordance with IEEE929-2000,UL1741
- ◆ Quick and easy installation
- ◆ A LCD display for monitoring all system information
- ◆ Can set the operation parameters via LCD and keys
- ◆ Suit to connecting with small wind turbine
- ◆ Stainless steel shell with outdoor seal (Ip65)
- ◆ CE Certificate



TYPE SG6K

PV Grid-connected inverter

Technical Parameters

Isolated style	Low frequency transformer
Recommended max. PV power	7200Wp
Max. DC input voltage (-10°C , 1000W/m ²)	780V
MPP voltage range	300V~780V
Connection with PV cables	DC plugconnectors
Max. DC input current	30A
Nominal AC output power	6000 W
Total Harmonic Distortion (THD)	< 4 %
Power Factor	>0.99
Max. Efficiency	94 %
Europe Efficiency	92 %

Operating range of utility voltage	180~265VAC
Operating range of utility frequency	47~51.5Hz (can beset)
Self consumption at night	<0.5W
Communication Interfaces	RS485/Ethernet
Waterproof and Dustproof Class(EN 60529)	IP65(outdoor)
Operation Surroundings Temperature	- 25°C ~+ 60°C
Noise level	<40dB
Cooling	Controlled fan cooling
Size (W x H x D)	400x555x278 mm
Weight	65kg
Standards	IEEE929.EN61000

- ◆ DSP controller
- ◆ Mitsubishi IPM Module inside
- ◆ MPPT (Maximum Power Point Tracking) technology
- ◆ High efficiency up to 94%
- ◆ Perfect protect functions include anti-islanding
- ◆ Quick and easy installation
- ◆ A LCD display for monitoring all system information
- ◆ Can set the operation parameters via LCD and keys
- ◆ Suit to connecting with small wind turbine
- ◆ CE Certificate



TYPE SG30K

PV Grid-connected inverter

Technical Parameters

Isolated style	Low frequency transformer
Recommended max. PV power	36KWp
Max. DC input voltage (-10℃ , 1000W/m ²)	4 5 0 V
MPP voltage range	200V~450V
Connection with PV cables	Screw terminal
Max. DC input current	150A
Nominal AC output power	30KW
Total Harmonic Distortion (THD)	<3 % at nominal power
Power Factor	>0.99
Max. Efficiency	94 %
Europe Efficiency	92%

Operating range of utility voltage	320 ~440 VAC (three phase)
Operating range of utility frequency	47~51.5Hz (can be set)
Self consumption at night	<10W
Communication Interfaces	RS485/Ethernet
Waterproof and Dustproof Class(EN 60529)	IP21(indoor)
Operation Surroundings Temperature	- 25℃ ~+ 60℃
Noise level	<50dB
Cooling	Controlled fan cooling
Size (W x H x D)	800 x 1800 x600 mm
Weight	400kg
Standards	IEEE929.EN61000

- ◆ High DC input voltage up to 880V
- ◆ DSP controller
- ◆ Mitsubishi IPM Module inside
- ◆ MPPT (Maximum Power Point Tracking) technology
- ◆ High efficiency up to 96%
- ◆ Perfect protect functions include anti-islanding
- ◆ Easy installation
- ◆ A LCD display for monitoring all system information
- ◆ Can set the operation parameters via LCD and keys
- ◆ Suit to connecting with small wind turbine
- ◆ CE Certificate



TYPE SG 100K

PV Grid-connected inverter

Technical Parameters

solated style	Low frequency transformer
Recommended max. PV power	120KWp
Max. DC input voltage (−10℃, 1000W/m ²)	880V
MPP voltage range	450V~880V
Connection with PV cables	Screw terminal
Max. DC input current	250A
Nominal AC output power	100KW
Total Harmonic Distortion (THD)	<3 % at nominal power
Power Factor	>0.99
Max. Efficiency	96 %
Europe Efficiency	94%

Operating range of utility voltage	320~440 VAC (three phase)
Operating range of utility frequency	47~51.5Hz (can be set)
Self consumption at night	<10W
Communication Interfaces	RS485/Ethernet/GPRS
Waterproof and Dustproof Class(EN 60529)	IP 21 (i n d o o r)
Operation Surroundings Temperature	− 25℃ ~+ 60℃
Noise level	<50dB
Cooling	Controlled fan cooling
Size (W x H x D)	800 x 2260x600 mm
Weight	800Kg
Standards	IEEE929.EN61000

Small wind turbine grid-connected power system includes small wind turbine, dump load, grid-connected inverter, meter and power switchboard. When wind speed reaches the cut-in speed, the AC power from the wind turbine will be fed in the utility grid after rectifying and inverting. If the wind speed is too large, part of the dump load will be connected to the wind turbine to keep the constant power to be fed in the utility grid.

- ◆ DSP controller
- ◆ Mitsubishi IPM Module inside
- ◆ MPPT (Maximum Power Point Tracking) technology
- ◆ High efficiency up to 95%
- ◆ Perfect protect functions include anti-islanding
- ◆ In accordance with IEEE929-2000, UL1741
- ◆ Quick and easy installation
- ◆ A LCD display for monitoring all system information
- ◆ Can set the operation parameters via LCD and keys
- ◆ Boost circuit provide wide AC input range
- ◆ Electrical brake
- ◆ CE Certificate

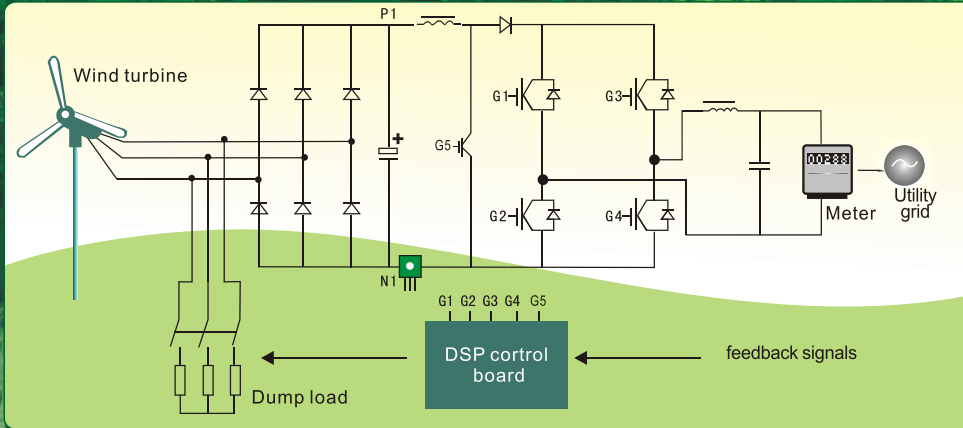


Small Wind Turbine Grid-connected Inverter

T echnical Parameters

type	WG1.5KTL	WG3KTL	WG5KTL
Wind turbine power (KW)	1.5	3	5
Wind turbine voltage (VAC)	40~140 three-phase three-wire	140~320V three-phase three-wire	140~550V three-phase three-wire
Wind turbine frequency (Hz)	20~60	30~60	
Wind turbine current (A)	10	12	20
Inverter output current(A)	7	14	25
Operating range utility voltage	180~265 single -phase		
Operating range utility frequency (Hz)	47~51.5 (can be set)		
Rated power(KW)	1.5	3	5
Over loading capacity	120%		
Protection function	Dump load protection, Grid voltage abnormal protection, Wind turbine voltage abnormal protection, Island protection, Over load protection, Over heat protection, Lightning protection		
Size (Wx H x D mm)	288 x 505 x 126	380 x 517 x 272	
Weight(kg)	14	25	30

◆The types of the list are all transformless type. If you need, we can supply the same power type with transformer.



Small Wind Turbine Grid-connected Inverter

Technical Parameters

Type	WG30K3TL	WG50K3TL	WG100K3TL
Wind turbine power (KW)	30	50	100
Wind turbine voltage (VAC)	380~600V three-phase three-wire		
Wind turbine frequency (HZ)	35~75		
Wind turbine current (A)	42	70	140
Inverter output current(A)	53	90	175
Operating range utility voltage	310~450 Three-phase		
Operating range utility frequency (HZ)	47~51.5 (can be set)		
Rated power(KW)	30	50	100
Over loading capacity	120%		
Protection function	Dump load protection, Grid voltage abnormal protection, Wind turbine voltage abnormal protection, Island protection, Over load protection, Over heat protection, Lightning protection		
Size (Wx H x D mm)	600 x1400 x250	600 x1600 x460	800 x1800 x600
Weight(kg)	88	130	200

◆The types of the list are all transformless type. If you need, we can supply the same power type with transformer.