



EMPOWERING GREEN ENERGY ON GRID INVERTER

GIGAX POWER INVERTER SERIES

Rating : 1kW - 136kW



In House
MFG. Unit



3 LEVEL
Service Support





UTL in 2023-2024

3

Manufacturing Units

29

Years Old Brand

60+

Strong R&D Team

120

kVA- We made upto 120kVA Capacity

3000+

Associated Man Power

500+

Distributor in INDIA

3600+

Dealers in INDIA

5000000+

Satisfied UTL Consumers

9.2 Bn

UTL Turnover



FEATURES



Low startup Voltage



PV overload upto 30%



DC switch available on above 4.2kW



Wide AC Voltage Range (160V to 290V)



Working Temperature upto 60°C



AC & DC Side Type-II



Less Noise Emission >25dB



Remote Monitoring through UTL SOLAR App



High MPPT Efficiency upto 99%



Power Export Limiting



Easy Installation Low Maintenance

Model	1.5kW	2.2kW	2.5kW	3kW	3.3kW	3.6kW
Input Side						
Max. DC Input Power (kW)	2	2.9	3.3	3.9	4.29	4.6
Max. DC Input Voltage (V)	550					
Start-up DC Input Voltage (V)	80					
MPPT Operating Range (V)	70~500					
Max. DC Input Current (A)	16/20					
Max. Short Circuit Current (A)	22/24/30					
No.of MPP Trackers	1					
No.of Strings per MPP Tracker	1					
Output Side						
Rated Output Power (kW)	1.5	2.2	2.5	3	3.3	3.6
Max. Active Power (kW)	1.65	2.42	2.75	3.3	3.6	3.6
Nominal Output Voltage / Range (V)	L/N/PE 220/230V (Optional)					
Rated Grid Frequency (Hz)	50 / 60 (Optional)					
Operating Phase	Single phase					
Rated AC Grid Output Current (A) (230V)	6.5	8.7	10.9	13	14.3	15.65
Max. AC Output Current (A) (230V)	7.2	9.6	12	14.3	15.65	15.65
Output Power Factor	1 (0.8 Lead to 0.8 Lag)					
Grid Current THD	<3%					
DC Injection Current (mA)	<0.5%					
Grid Frequency Range	50/60Hz (±5)					
Efficiency						
Max. Efficiency	97.3%			97.5%		
Euro Efficiency	97.1%			97.3%		
MPPT Efficiency	>99%					
Protection						
DC Reverse-Polarity Protection	Yes					
AC Short Circuit Protection	Yes					
AC Output Overcurrent Protection	Yes					
Output Overvoltage Protection	Yes					
Insulation Resistance Protection	Yes					
Ground Fault Monitoring	Yes					
Anti-islanding Protection	Yes					
Temperature Protection	Yes					
Integrated DC Switch	Yes (Optional)					
Remote software update	Yes					
Remote change of operating parameters	Yes					
Surge protection	DC Type II / AC Type II					
General Data						
Topology	Transformerless					
Internal Consumption	<1W (Night)					
Running Temperature	-25~65°C, >45°C derating					
Ingress Protection	IP65					
Noise Emission (Typical)	<35 dB					
Cooling Concept	Natural cooling					
Max. Operating Altitude Without Derating	2000m					
Warranty	10 Years, 1 Year on Accessories (Logger & ZED)					
Grid Connection Standard	CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11					
Operating Surroundings Humidity	0-100%					
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2					
Features						
DC Connection	MC-4 mateable					
AC Connection	IP65 rated plug					
Display	LCD1602					
Interface	RS485/RS232/Wifi/LAN					

*Specification are subject to change without prior notice due to constant improvement in design & technology.

Model	4kW	4.6kW	5kW	5.3kW	6kW
Input Side					
Max. DC Input Power (kW)	5.2	5.5	6.5	6.5	7.8
Max. DC Input Voltage (V)	550		550/600		
Start-up DC Input Voltage (V)	80		80		
MPPT Operating Range (V)	70~500		70~550		
Max. DC Input Current (A)	20/20		20	20/20	20/20
Max. Short Circuit Current (A)	30/30		30	30/30	30/30
No. of MPP Trackers	1		1	2	2
No. of Strings per MPP Tracker	1				
Output Side					
Rated Output Power (kW)	4	4.6	5	5.3	6
Max. Active Power (kW)	4.4	4.6	5.5	5.5	6/6.6
Nominal Output Voltage / Range (V)	L/N/PE 220/230V (Optional)				
Rated Grid Frequency (Hz)	50 / 60 (Optional)				
Operating Phase	Single phase				
Rated AC Grid Output Current (A) (230V)	17.4	20	21.73	23.04	26.08
Max. AC Output Current (A) (230V)	19.13	20	23.91	23.91	26.08
Output Power Factor	1 (0.8 Lead to 0.8 Lag)				
Grid Current THD	<3%				
DC Injection Current (mA)	<0.5%				
Grid Frequency Range	50/60Hz (±5)				
Efficiency					
Max. Efficiency	97.5%				
Euro Efficiency	97.3%				
MPPT Efficiency	>99%				
Protection					
DC Reverse-Polarity Protection	Yes				
AC Short Circuit Protection	Yes				
AC Output Overcurrent Protection	Yes				
Output Overvoltage Protection	Yes				
Insulation Resistance Protection	Yes				
Ground Fault Monitoring	Yes				
Anti-islanding Protection	Yes				
Temperature Protection	Yes				
Integrated DC Switch	Yes (Optional)				
Remote software update	Yes				
Remote change of operating parameters	Yes				
Surge protection	DC Type II / AC Type II				
General Data					
Topology	Transformerless				
Internal Consumption	<1W (Night)				
Running Temperature	-25~65°C, >45°C derating				
Ingress Protection	IP65				
Noise Emission (Typical)	<35 dB				
Cooling Concept	Natural cooling				
Max. Operating Altitude Without Derating	2000m				
Warranty	10 Years, 1 Year on Accessories (Logger & ZED)				
Grid Connection Standard	CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11				
Operating Surroundings Humidity	0-100%				
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2				
Features					
DC Connection	MC-4 mateable				
AC Connection	IP65 rated plug				
Display	LCD1602				
Interface	RS485/RS232/Wifi/LAN				

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Model	5kW	6kW	8kW	10kW	12kW	15kW
Input Side						
Max. DC Input Power (kW)	6.5	7.8	10.4	13	15.6	19.5
Max. DC Input Voltage (V)	1100					
Start-up DC Input Voltage (V)	140					
MPPT Operating Range (V)	120~1000					
Max. DC Input Current (A)	(18+18) / (20+20)					(18+30) / (20+26)
Max. Short Circuit Current (A)	(26+26) / (30+30)					(26+36) / (30+39)
No.of MPP Trackers	2					
No.of Strings per MPP Tracker	1					1+2
Output Side						
Rated Output Power (kW)	5	6	8	10	12	15
Max. Active Power (kW)	5.5	6.6	8.8	11	13.2	16.5
Nominal Output Voltage / Range (V)	3L/N/PE 220/380V, 230/400V					
Rated Grid Frequency (Hz)	50 / 60 (Optional)					
Operating Phase	Three phase					
Rated AC Grid Output Current (A)	7.2	8.7	11.6	14.5	17.4	21.7
Max. AC Output Current (A)	8	9.6	12.8	15.9	19.1	23.9
Output Power Factor	1 (0.8 Lead to 0.8 Lag)					
Grid Current THD	<3%					
DC Injection Current (mA)	<0.5%					
Grid Frequency Range	50/60Hz (±5)					
Efficiency						
Max. Efficiency	98.2%		98.3%		98.5%	
Euro Efficiency	97.26%		97.8%		98%	
MPPT Efficiency	>99%					
Protection						
DC Reverse-Polarity Protection	Yes					
AC Short Circuit Protection	Yes					
AC Output Overcurrent Protection	Yes					
Output Overvoltage Protection	Yes					
Insulation Resistance Protection	Yes					
Ground Fault Monitoring	Yes					
Anti-islanding Protection	Yes					
Temperature Protection	Yes					
Integrated DC Switch	Yes					
Remote software update	Yes					
Remote change of operating parameters	Yes					
Surge protection	DC Type II / AC Type II					
General Data						
Topology	Transformerless					
Internal Consumption	<1W (Night)					
Running Temperature	-25~65°C, >45°C derating					
Ingress Protection	IP65					
Noise Emission (Typical)	<30 dB					<40 dB
Cooling Concept	Natural cooling					Smart cooling
Max. Operating Altitude Without Derating	2000m					
Warranty	10 Years, 1 Year on Accessories (Logger & ZED)					
Grid Connection Standard	CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11					
Operating Surroundings Humidity	0-100%					
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2					
Features						
DC Connection	MC-4 mateable					
AC Connection	IP65 rated plug					
Display	LCD1602					
Interface	RS485/RS232/Wifi/LAN					

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Model	20kW	25kW	30kW	40kW	50kW	60kW
Input Side						
Max. DC Input Power (kW)	26	32.5	39	52	65	78
Max. DC Input Voltage (V)	1100					
Start-up DC Input Voltage (V)	250					
MPPT Operating Range (V)	200~850					
Max. DC Input Current (A)	26+26	30+30	40+40+20/40+40	40+40+20+20/40+40+40	45+45+45/40+40+40+40	
Max. Short Circuit Current (A)	39+39	64+64	48+48+24/64+64	48+48+24+24/64+64+64	56+56+56/64+64+64+64	
No.of MPP Trackers	2		3/2	4/3	3/4	
No.of Strings per MPP Tracker	2		2/3	4/3	3/3	3/4
Output Side						
Rated Output Power (kW)	20	25	30	40	50	60
Max. Active Power (kW)	22	27.5	33	44	55	66
Nominal Output Voltage / Range (V)	3L/N/PE 220/380V, 230/400V					
Rated Grid Frequency (Hz)	50 / 60 (Optional)					
Operating Phase	Three phase					
Rated AC Grid Output Current (A)	29	36.2	43.5	58	72.4	87
Max. AC Output Current (A)	31.9	39.9	7.9	63.8	79.7	95.7
Output Power Factor	1 (0.8 Lead to 0.8 Lag)					
Grid Current THD	<3%					
DC Injection Current (mA)	<0.5%					
Grid Frequency Range	50/60Hz (±5)					
Efficiency						
Max. Efficiency	98.6%			98.7%		
Euro Efficiency	97.8%			98%		
MPPT Efficiency	>99%					
Protection						
DC Reverse-Polarity Protection	Yes					
AC Short Circuit Protection	Yes					
AC Output Overcurrent Protection	Yes					
Output Overvoltage Protection	Yes					
Insulation Resistance Protection	Yes					
Ground Fault Monitoring	Yes					
Anti-islanding Protection	Yes					
Temperature Protection	Yes					
Integrated DC Switch	Yes					
Remote software update	Yes					
Remote change of operating parameters	Yes					
Surge protection	DC Type II / AC Type II					
General Data						
Topology	Transformerless					
Internal Consumption	<1W (Night)					
Running Temperature	-25~65°C, >45°C derating					
Ingress Protection	IP65					
Noise Emission (Typical)	<40 dB			<50 dB		
Cooling Concept	Smart cooling					
Max. Operating Altitude Without Derating	2000m					
Warranty	10 Years, 1 Year on Accessories (Logger & ZED)					
Grid Connection Standard	CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11					
Operating Surroundings Humidity	0-100%					
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2					
Features						
DC Connection	MC-4 mateable					
AC Connection	IP65 rated plug					
Display	LCD1602			LCD 240 × 160		
Interface	RS485/RS232/Wifi/LAN					

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Model	70kW	75kW	80kW	90kW	100kW	110kW
Input Side						
Max. DC Input Power (kW)	105	112.5	120	135	150	165
Max. DC Input Voltage (V)	1100					
Start-up DC Input Voltage (V)	250					
MPPT Operating Range (V)	200~850					
Max. DC Input Current (A)	40+40+40+40			40+40+40+40+40+40		
Max. Short Circuit Current (A)	64+64+64+64			64+64+64+64+64+64		
No.of MPP Trackers	4			6		
No.of Strings per MPP Tracker	4					
Output Side						
Rated Output Power (kW)	70	75	80	90	100	110
Max. Active Power (kW)	77	82.5	88	99	110	121
Nominal Output Voltage / Range (V)	3L/N/PE 220/380V, 230/400V					
Rated Grid Frequency (Hz)	50 / 60 (Optional)					
Operating Phase	Three phase					
Rated AC Grid Output Current (A)	106.1/101.5	113.6/108.7	121.2/115.9	136.4/130.4	151.5/144.9	166.7/159.4
Max. AC Output Current (A)	116.7/111.6	125/119.6	133.3/127.5	150/143.5	166.7/159.4	183.3/175.4
Output Power Factor	1 (0.8 Lead to 0.8 Lag)					
Grid Current THD	<3%					
DC Injection Current (mA)	<0.5%					
Grid Frequency Range	50/60Hz (±5)					
Efficiency						
Max. Efficiency	98.7%					
Euro Efficiency	98.3%					
MPPT Efficiency	>99%					
Protection						
DC Reverse-Polarity Protection	Yes					
AC Short Circuit Protection	Yes					
AC Output Overcurrent Protection	Yes					
Output Overvoltage Protection	Yes					
Insulation Resistance Protection	Yes					
Ground Fault Monitoring	Yes					
Anti-islanding Protection	Yes					
Temperature Protection	Yes					
Integrated DC Switch	Yes					
Remote software update	Yes					
Remote change of operating parameters	Yes					
Surge protection	DC Type II / AC Type II					
General Data						
Size (mm)	838Wx568Hx323D					
Weight (kg)	81					
Topology	Transformerless					
Internal Consumption	<1W (Night)					
Running Temperature	-25~65°C, >45°C derating					
Ingress Protection	IP65					
Noise Emission (Typical)	<50 dB	<55 dB				
Cooling Concept	Smart cooling					
Max. Operating Altitude Without Derating	2000m					
Warranty	10 Years, 1 Year on Accessories (Logger & ZED)					
Grid Connection Standard	CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11					
Operating Surroundings Humidity	0-100%					
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2					
Features						
DC Connection	MC-4 mateable					
AC Connection	IP65 rated plug					
Display	LCD 240 × 160					
Interface	RS485/RS232/Wifi/LAN					

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Model	120kW	125kW	130kW	135kW	136kW
Input Side					
Max. DC Input Power (kW)	180	187.5	195	202.5	204
Max. DC Input Voltage (V)	1100				
Start-up DC Input Voltage (V)	250				
MPPT Operating Range (V)	200-1000				
Max. DC Input Current (A)	40+40+40+40+40+40+40+40				
Max. Short Circuit Current (A)	60+60+60+60+60+60+60+60				
No.of MPP Trackers	8				
No.of Strings per MPP Tracker	4+4+4+4+4+4+4+4				
Output Side					
Rated Output Power (kW)	120	125	130	135	136
Max. Active Power (kW)	132	135	135	135	136
Rated Output Voltage/Range (V)	3L/N/PE 220/380V, 230/400V 0.85Un-1.1Un (this may vary with grid standards)				
Rated Grid Frequency (Hz)	50 / 60 (Optional)				
Operating Phase	Three Phase				
Rated AC Grid Output Current (A)	181.9/174	189.4/181.2	197/188.5	204.6/195.7	206.1/197.2
Max. AC Output Current (A)	200/191.4	204.6/195.7	204.6/195.7	204.6/195.7	206.1/197.2
Output Power Factor	>0.99				
Total Harmonics Current Distortion (THDi)	<3%				
DC Injection Current (mA)	<0.5%				
Grid Frequency Range	45~55 or 55~65 (Optional)				
Efficiency					
Max. Efficiency	98.8%				
Euro Efficiency	98.3%				
MPPT Efficiency	>99%				
Protection					
DC Reverse-Polarity Protection	Yes				
AC Short Circuit Protection	Yes				
AC Output Overcurrent Protection	Yes				
Output Overvoltage Protection	Yes				
Insulation Resistance Protection	Yes				
Ground Fault Monitoring	Yes				
Anti-islanding Protection	Yes				
Temperature Protection	Yes				
Integrated DC Switch	Yes				
Remote Software Upload	Yes				
Remote Change of Operating Parameters	Yes				
Surge Protection	DC Type II / AC Type II				
General Data					
Cabinet Size (WxHxD mm)	1006×516×325.5 (Excluding Connectors and Brackets)				
Weight (kg)	103				
Topology	Transformerless				
Internal Consumption	<1W (Night)				
Running Temperature	-25-60°C, >45°C Derating				
Ingress Protection	IP65				
Noise Emission (Typical)	≤65 dB				
Cooling Concept	Smart Cooling				
Permissible Altitude (m)	2000m				
Designed Lifetime	>20 Years				
Grid Connection Standard	IEC 61727, IEC 62116, CEI 0-21, CEI 0-16, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4105, VDE-AR-N 4110				
Operating Surroundings Humidity	0-100%				
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2				
Features					
Display	LCD 240 × 160				
Interface	RS485/RS232/Wifi/LAN				

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LIFE TIME FREE MONITORING THROUGH UTL SOLAR APP



Please Scan QR Code to Download UTL SOLAR App



Based on technology of Internet, cloud service and big data, UTL SOLAR App provides systematic power station monitoring, data analysis for different energy systems to realize the maximum ROI.

ACCESSORIES

MONITORING DONGLE



Logger supports GPRS, WIFI, Ethernet and other communication modes. Its function enables local debugging configuration to collect operation and power generation data from inverters.

ZERO EXPORT POWER LIMITING

Integrated Export Limitation Functionality via external power meter or a CT



WORLD CLASS COMPONENTS

Main CPU



IGBT



DC Switch



Cooling Fan



Capacitor



MOV



Relay



Current Sensor



3 LEVEL SERVICE SUPPORT



Remote support if the problem can get resolved through online technical support

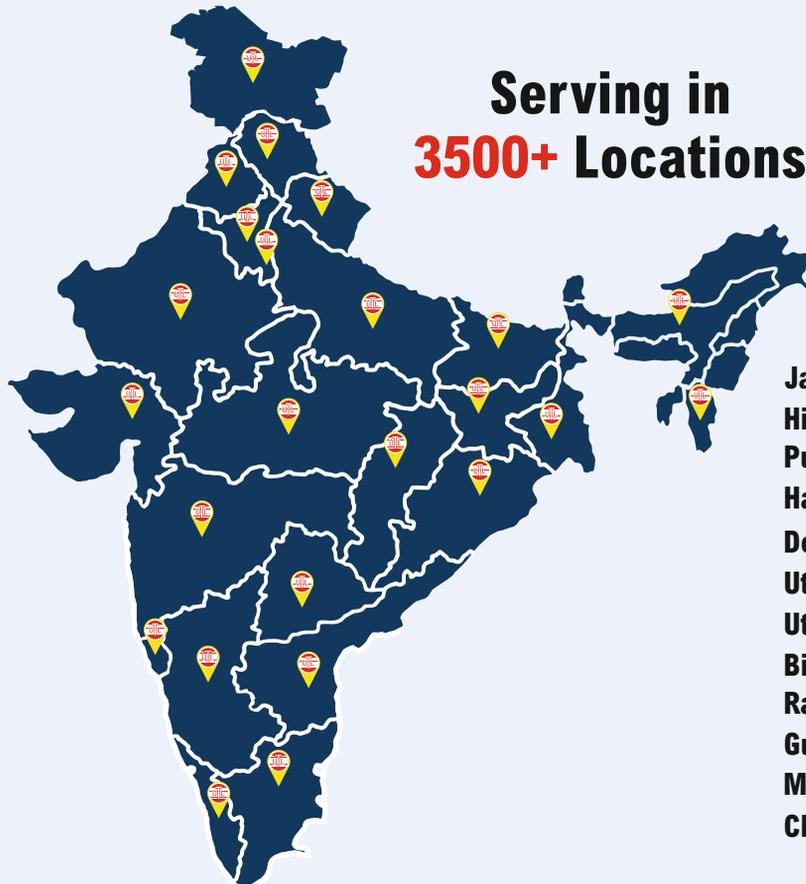


Complaint Registration at Hotline Number **+91 8510 885 885** via Call or raise the complaint on WhatsApp on Same Number



Engineer will visit the site for replace spare parts / Service Unit against the faulty inverter with in 48 Hrs from the date of Complaint login.

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Bihar
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The Power..... As and when you need it.



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FUJIYAMA POWER SYSTEMS LTD.

Registered Office: 53A/6, Rama Road Ind. Area, Near Sat Guru Ram Singh Marg Metro Station, Near NDPL Grid Office, Delhi – 110015

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Manufacturing Unit 1 : Khasra No. 182, Vill-Naryal, Parwanoo, Himachal Pradesh-173220, India

Manufacturing Unit 2 : Plot No 51-52, Sector - Ecotech 1 Extension 1, Greater Noida, Distt Gautam Budh Nagar, U.P. - 201310, India

Manufacturing Unit 3 : Plot No. 5 & 14, Sector 6, HSIIDC, IMT BAWAL, Rewari, Bawal, , HR- 123501, India

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