



## EMPOWERING GREEN ENERGY ON GRID INVERTER

### GIGAX POWER INVERTER SERIES

Rating : 1kW - 136kW





## 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
<b>Input Side</b>						
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					
<b>Output Side</b>						
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)					
<b>Efficiency</b>						
Max. Efficiency	97.3%			97.5%		
Euro Efficiency	97.1%			97.3%		
MPPT Efficiency	>99%					
<b>Protection</b>						
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					
<b>General Data</b>						
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					
<b>Features</b>						
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
<b>Input Side</b>					
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				
<b>Output Side</b>					
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)				
<b>Efficiency</b>					
Max. Efficiency	97.5%				
Euro Efficiency	97.3%				
MPPT Efficiency	>99%				
<b>Protection</b>					
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				
<b>General Data</b>					
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				
<b>Features</b>					
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	5kW	6kW	8kW	10kW	12kW	15kW
<b>Input Side</b>						
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
<b>Output Side</b>						
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)					
<b>Efficiency</b>						
Max. Efficiency	98.2%		98.3%		98.5%	
Euro Efficiency	97.26%		97.8%		98%	
MPPT Efficiency	>99%					
<b>Protection</b>						
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					
<b>General Data</b>						
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					
<b>Features</b>						
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	20kW	25kW	30kW	40kW	50kW	60kW
<b>Input Side</b>						
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
<b>Output Side</b>						
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)					
<b>Efficiency</b>						
Max. Efficiency	98.6%			98.7%		
Euro Efficiency	97.8%			98%		
MPPT Efficiency	>99%					
<b>Protection</b>						
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					
<b>General Data</b>						
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					
<b>Features</b>						
DC Connection	MC-4 mateable					
AC Connection	IP65 rated plug					
Display	LCD1602			LCD 240 × 160		
Interface	RS485/RS232/Wifi/LAN					

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

Model	70kW	75kW	80kW	90kW	100kW	110kW
<b>Input Side</b>						
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					
<b>Output Side</b>						
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)					
<b>Efficiency</b>						
Max. Efficiency	98.7%					
Euro Efficiency	98.3%					
MPPT Efficiency	>99%					
<b>Protection</b>						
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					
<b>General Data</b>						
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					
<b>Features</b>						
DC Connection	MC-4 mateable					
AC Connection	IP65 rated plug					
Display	LCD 240 × 160					
Interface	RS485/RS232/Wifi/LAN					

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

Model	120kW	125kW	130kW	135kW	136kW
<b>Input Side</b>					
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				
<b>Output Side</b>					
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)				
<b>Efficiency</b>					
Max. Efficiency	98.8%				
Euro Efficiency	98.3%				
MPPT Efficiency	>99%				
<b>Protection</b>					
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				
<b>General Data</b>					
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				
<b>Features</b>					
Display	LCD 240 × 160				
Interface	RS485/RS232/Wifi/LAN				

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

## 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



Capactor



MOV



Relay



Current Sensor



### 3 LEVEL SERVICE SUPPORT



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

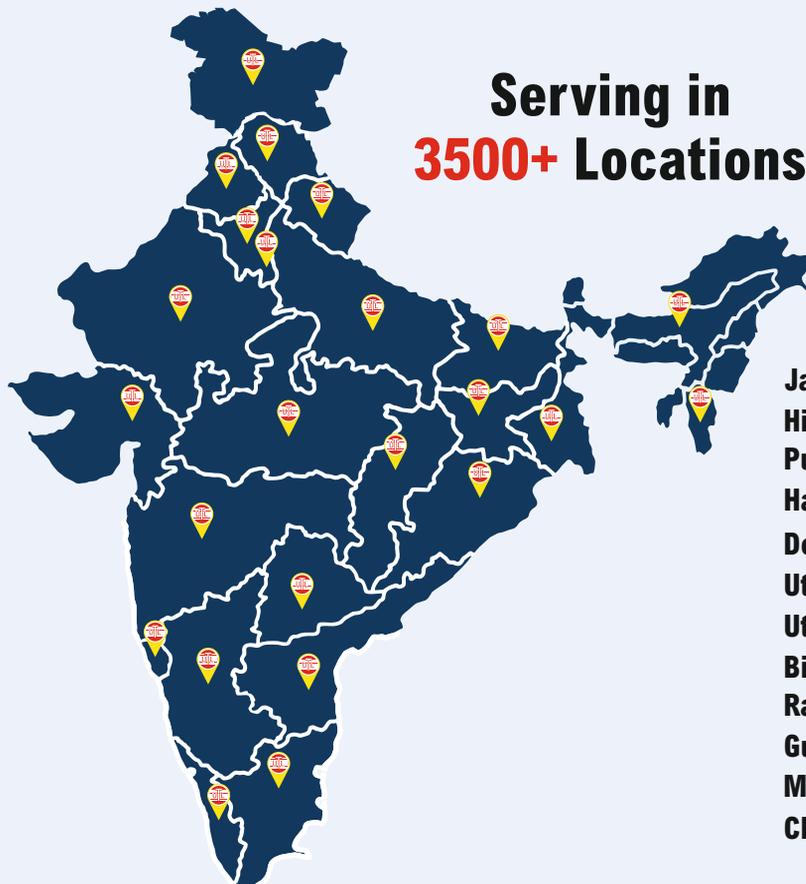


Complaint Registration at Hotline Number **+91 8510 885 885** via Call or raise the complaint on WhatsApp on Same Number



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.

### UTL SERVICE NETWORK



Jammu & Kashmir  
Himanchal Pradesh  
Punjab  
Haryana  
Delhi  
Uttarakhand  
Uttar Pradesh  
Bihar  
Rajasthan  
Gujarat  
Madhya Pradesh  
Chhattisgarh

Jharkhand  
West Bengal  
Assam  
Mizoram  
Maharashtra  
Goa  
Odisha  
Telangana  
Andhra Pradesh  
Karnataka  
Kerala  
Tamil Nadu

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



**Inverters | Batteries | Solar PCUs | Online UPSs | EV Chargers |  
VFD | Lithium Batteries | Solar Inverters | Solar Panels**

## **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

**Sales Office:** 2/8A, Plot No-63, 2nd Floor Rama Road Industrial Area Opp. Kirti Nagar Metro Station New Delhi-110015

**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

 +91 7838 885 885

 [sales@utlups.com](mailto:sales@utlups.com)

 [www.upsINVERTER.com](http://www.upsINVERTER.com)