

SUPER-X SERIES

UTILITY SCALE GRID TIE INVERTER

Rating : 350kW



HIGH EFFICIENCY

- Up to 99.03% efficiency
- MPPT range 500~1500Vdc
- Max. 32A DC input per MPPT,
- Optional Type-I & Type-II SPD on DC side & Type II SPD on AC side



SAFETY & MONITORING

- 24x7 monitoring
- IP66 protection degree
- Effective Anti-PID Protection*
- Optional Type-I & Type-II SPD on DC side & Type II SPD on AC side



INTELLIGENT DESIGN

- Intelligent Design
- AC terminal temperature detection
- Night time SVG voltage regulation support Smart LED indication



FLEXIBLE ADAPTABILITY

- 6 MPPTs, 5 strings per MPPT for precise power
- Power line communication (PLC) (Optional)*
- Modbus RTU communication

Model	UTL-350-UG-HV
Data	PV INPUT
Max. PV input voltage ^①	1500 V
Nominal PV input voltage	1080 V
Operating voltage range	550 ~ 1500 V
MPPT voltage range ^②	500 ~ 1500 V
Start-up voltage	550 V
No. of MPP trackers / Strings per MPP tracker	6/5
Max. input current per MPPT	75 A
Max. input short circuit current per MPPT	115 A
AC OUTPUT	
Max. output apparent power ^③	350kVA
Max. output continuous current	254 A
Max. short circuit current	418.9 A
Nominal AC voltage	3 / PE, 800 V
Nominal AC frequency	50 Hz / 60 Hz
AC frequency range ^④	50 ± 5 Hz / 60 ± 5 Hz
Adjustable Power Factor range	~ 1 (0.8 lagging to 0.8 leading)
THDi (rated power)	< 3%
EFFICIENCY	
Max. efficiency	99.03%
European efficiency	98.80%
ENVIRONMENT LIMIT	
Ingress protection	IP66
Operating ambient temperature range	(-30 ~ 60°C)
Max. operating altitude	5000m (derating above 4000m)
Relative humidity	0 ~ 100% RH (condensing)
Overvoltage Category	Mains: III, PV: II
GENERAL	
Dimensions (W × H × D)	1225 × 825.5 × 369.1 mm
Net weight	130 kg
Cooling concept	Smart cooling
Communication interfaces	Modbus RTU/TCP, Sunspec, 2030.5, (Optional: WiFi / LAN / 4G / PLC)
Topology	Non-isolated
Certificates and approvals	IEC 61727, IEC 62116
PROTECTION	
Protections	Over / under voltage protection, DC isolation protection, DC reverse-polarity protection, Grid monitoring, DC injection monitoring, Back feed current monitoring, Residual current detection, Over temperature protection
Active anti-islanding method	Frequency shift
Surge protection (DC / AC)	Type II (Optional: Type I + II)
Arc-fault circuit interrupter (AFCI)	Optional
AC auxiliary power supply (APS)	Built-in
Anti-PID	External

1 The maximum input voltage is the upper limit of the DC voltage. Any higher input DC voltage would probably damage inverter

2 Input voltage exceeding the MPPT voltage range may triggers inverter protection

3 The maximum output power under 50°C is 320kVar

4 The AC frequency range may vary from different country codes.

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, VIII-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

Manufacturing Unit 4 : KH-345/1, 345/2, 345/3, 347/1, 347/2, 347/3, 349/2, 349/3, Nangla Chamroo, Gautampuri, Dadri, Gautambuddha Nagar, U.P.-203207, India

For Sales- +91 9250 885 885

For Service - +91 8510 885 885,

For Sales Enquiry - sales@utlups.com,

Web : www.UTLSOLAR.com