



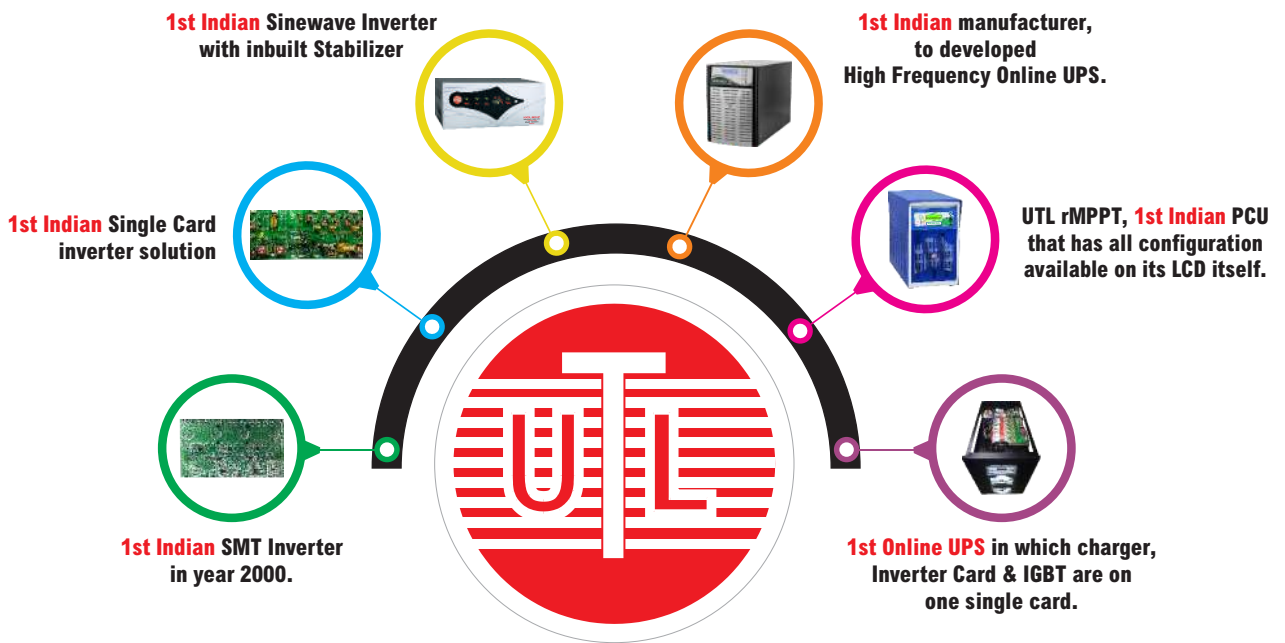
PRODUCT CATALOGUE

SOLAR | ONLINE UPS | INVERTER | CHARGER | BATTERY



UTL was founded in the year 1996 by 2 proficient engineers **Mr. Yogesh Dua** and **Mr. Pawan Garg**. UTL is one of the leading brand in power back-up and power generation in India. UTL offers wide range of quality products, has 4 manufacturing units, strong network of distributors and dealers across the globe and highly motivated workforce. We are offering excellent R&D services through the team of more than 60+ R&D professionals and exporting R&D services & UL Certified products to various countries including USA. As the company values long term relationship, our stakeholders and even customers have very long association with UTL.

Some remarkable milestones covered by UTL are...



CERTIFICATIONS





UTL in 2020-2021

4

Manufacturing Units

25

Years Old Brand

60+

Strong R&D Team

120

kVA- We made upto 120kVA Capacity

2000+

Associated Man Power

1100+

Per Day Production Capacity

10000+

Dealers in INDIA

10000000+

Satisfied UTL Consumers

4.0 Bn

UTL Turnover

| Solar Inverter | Range | Application |
|---------------------------------|----------------------------------|--|
| SHAMSI | 675VA to 1475VA |  |
| HELIAC | 850VA to 3500VA | |
| MEGA (Lithium) | 1000VA | |
| GAMMA+ LiON | 1000VA | |
| rMPPT Solar PCU | Range | Application |
| GAMMA+ | 1kVA/12V-24V & 2kVA/24V |  Petrol Pump, Hospital, Server, Commercial & Industrial |
| GAMMA PCU | 2kVA to 5kVA | |
| ALFA+ | 1kVA to 15kVA | |
| SIGMA with Grid Export | 1kVA to 15kVA | |
| ZETA | 10kVA to 20kVA | |
| ALFA Online | 5kVA to 10kVA | |
| MARS Online | 5kVA to 20kVA | |
| STAR Online | 25kVA to 120kVA | |
| Solar Charger Models | Range | Application |
| Solar Powerpack | 12V/10A |  |
| SMU | 12V/24V-40A/50A | |
| PWM | 12V/24V-10A & 20A | |
| Online UPS | Range | Application |
| DEEP IMPACT | 1kVA to 10kVA |  |
| ALFA PFC | 1kVA to 10kVA | |
| MARS | 5kVA to 20kVA | |
| STAR PFC | 25kVA to 120kVA | |
| Commercial Inverter | Range | Application |
| 3-Phase Lift/Elevator UPS | 6kVA to 20kVA |  |
| ARD 2-Phase | 5hp/7.5hp & 10hp | |
| ARD 1-Phase | 5hp/7.5hp & 10hp | |
| Power Back-Up Batteries & PANEL | Range | Application |
| Tall Tubular Battery | 40Ah to 230Ah |  |
| Solar Panel | 40W to 540W | |
| E-Rickshaw Products | Range | Application |
| Battery Charger | 48V-60V/12A & 48V/15A |  |
| Battery Charger | 48V/6A/8A/10A & 60V/8A & 72V/10A | |
| DC-DC Converter | 12V /10A & 15A | |

Home UPS/INVERTER
Modified Sine Wave**COMBO****Model Available**
C475 - C1675**Features**

- Maintain battery health for longer life.
- Modified Sine wave output.
- Built-in IT mode.
- Easy Installation & low maintenance.
- Best Regulated output.
- Battery Charging with Multi stage- (Bulk, Absorption & Float) Auto Equalize in a month.
- Protections : RBP, OVL, BL, OBC, SC, IHV & ILV.

Home UPS/INVERTER
Pure Sine Wave**Features**

- Single Card Reliability with DSP Technology.
- Multi Color LCD Display.
- Frequency Available : 50/60Hz.
- Smart Battery Charging with Setable all Parameters.
- Best Regulated Output.
- Sine wave Output.
- Battery Charging at Low Voltage.
- Maintain Battery Health for Longer Life.
- Easy Installation and Low Maintenance.
- Protections : RBP, OVL, BL, OBC, SC, IHV, ILV.
- Compatible with DG as an Input Source.
- Compatible for Computer Load.
- Compatible with SMF, Gel & Tubular Batteries.

**TAQNIA****Rating Available**
850VA-5000VA

Solar Hybrid Home UPS/INVERTER
Modified Sine Wave**SHAMSI****Range Available**
675VA to 1475VA**Features**

- Maintain Battery Health for longer life.
- Modified Sine wave output.
- Built-in IT Mode.
- Easy Installation & Low Maintenance.
- Battery Charging with Multi stage (Bulk, Absorption & Float) Auto Equalize in a month.
- Protections : RBP, RSPV, OVL, BL, BH, S.Ckt, I/P HV & LV, OHT.
- Inbuilt PWM Solar Charge Controller.
- Priority Mode Selection - PCU, Hybrid & Smart for Saving Energy and Money.
- Can operate without Solar.

Solar Hybrid Home UPS/INVERTER
Pure Sine Wave**Features**

- Inbuilt PWM Solar Charge Controller.
- Multi-Colour LCD Display.
- Freq.-Available 50 & 60Hz.
- Charging Multi Stage (Bulk, Absorption & Float) Auto Equalize in a month.
- Solar Priority of load & Battery Charging.
- Preference to Solar Power over Grid Power.
- Pure sine wave output.
- Protections : RBP, RSPV, OVL, BL, BH, S.Ckt, I/P HV & LV, OHT.
- Compatible with DG as an input Source.
- Compatible with IT Load.
- Compatible with SMF, Gel & Tubular Batteries.
- Priority Selection - PCU, Smart & Hybrid for Saving Energy and Money.

**HELIAC****Range Available**
850VA to 3500VA

Wall Mountable Solar PCU
with inbuilt 1.3 kWh LiFePO4 Battery**MEGA****Range Available**
1000VA/24V**Features**

- High Speed Micro Controller based Solar PCU.
- Built in Solar Charge Controller.
- Multi-colour LCD Display.
- Freq.:- Available - 50Hz & 60Hz.
- Charging Multi Stage (Bulk, Absorption & Float).
- Solar Priority of load & battery charging.
- Preference to Solar Power over Grid Power.
- Pure sine wave output.
- Protections : RBP, RSPV, OVL, BL, BH, S.Ckt, I/P HV & LV, OHT.
- Compatible with DG as an Input Source.
- Inbuilt LiFePO4 25.6V/54Ah Battery.
- Compatible with IT Load.
- Priority Selection - PCU, Smart & Hybrid for-Saving Energy and Money.

Wall Mountable Solar PCU
with inbuilt 1.3 kWh LiFePO4 Battery**Features**

- Controller based design, Sine Wave, Built in rMPPT Charge Controller.
- Multi-colour LCD Display.
- Preference to Solar Power over Grid Power.
- Zero battery maintenance & Long battery life.
- Multi functional smart switches
- Priority Selection - PCU, Smart & Hybrid for Saving Energy & Money.

**GAMMA⁺ LiON****Range Available**
1000VA/12V

Solar Home PCU

GAMMA+

Range Available
1kVA/12V-24V & 2kVA/24V

Features

- Controller based design, Pure Sine Wave, Built in rMPPT Charge Controller.
- Multi-colour LCD Display.
- Freq.:- Available - 50Hz & 60Hz.
- Charging Multi Stage (Bulk, Absorption & Float)
- Solar Priority of load & Battery Charging.
- Preference to Solar Power over Grid Power.
- Pure sine wave output.
- Protections : RBP, RSPV, OVL, BL, BH, S.Ckt, I/P HV & LV, OHT.
- Compatible with DG as an input Source.
- Compatible with IT Load.
- Compatible with Lithium, Gel & Tubular Batteries.
- Priority Selection - PCU, Smart & Hybrid for Saving Energy and Money.

Offline Solar PCU

GAMMA PCU

Range Available
2kVA to 5kVA

Features

- DSPic/Controller based design Pure Sine Wave, built in rMPPT Charge Controller.
- Maximum Preference to Solar Power.
- Extensive Electronic Protection.
- Digital Display.
- User Friendly :- NLSD, Grid Charging, IT Load, GENSET (Enable/Disable by LCD) & Operating Mode (Selectable).

String Inverter

Grid Tie

Range Available
1kW - 60kW

Features

- Transformerless Inverter.
- Intelligent redundant Fan Cooling.*
- Wide MPPT Voltage Range with Dual and Quad MPPT Design and Precise MPPT Algorithm.*
- IP 65 Certified.
- Integrated DC Switch.*
- Wi-Fi and Monitoring Application Available.
- Multiple Protection Level.
- Maximum Efficiency Over 98.6%, EU Efficiency Over 98.2%

* Available in Higher Rating

Solar Hybrid Inverter

rMPPT Charger Controller upto 300 Amps.

| Models Available | |
|-------------------------------|---------------------|
| ALFA⁺ | 1 to 15kVA |
| SIGMA with Grid Export | 1 to 15kVA |
| ZETA | 10 to 20kVA |
| ALFA ONLINE | 5 to 10kVA |
| MARS ONLINE | 5 to 20kVA |
| STAR ONLINE | 25 to 120kVA |



Features

ALFA⁺ / SIGMA

- Single card DSP based design and inbuilt rMPPT Charge Controller.
- Output Pure Sine Wave with best Regulated Output Voltage.
- Maximum Preference to Solar and Intelligent Charging Sharing.
- NLSD, Grid Charging and IT Mode Enable / Disable by LCD.
- Grid Interactive and Export Mode Enable / Disable by LCD (SIGMA).
- Compatible with all PV Arrays having Different no. of Cells(36 / 60 / 72 cells).
- rMPPT peak efficiency 99% and High Reliability.
- GSM/GPRS/USB/Ethernet based Monitoring and 30 Days Data Logging, DC and AC Energy Meter (ALFA/SIGMA).
- AC and DC Parameter Configurable from LCD (ALFA/SIGMA).
 1. AC - Output Voltage/Input Voltage.
 2. Charging Voltage.
 3. Battery Charging Current, Battery Low Cut/High Cut.
 4. Grid Reconnect.

Solar PCU
3Øin-3Øout**ZETA**

Range Available
10kVA to 20kVA

Features

- DSPic based Pure Sine Wave Design.
- Inbuilt rMPPT charge controller (30% more efficient*).
- Grid Interactive.
- Maximum Preference to Solar Power.
- USB based communication, 31 days data logs inbuilt and AC& DC energy meter inbuilt.
- RS485 based monitoring.
- Robust Design-20 years product life, 2-5 yrs of warranty**.
- User Friendly Control :- Output Voltage, Chg. Voltage - SPV/Grid, Chg. Current - SPV/Grid, Grid Reconnect, Batt. Low.
- Reverse AC Voltage Protection.
- Priority based working modes - Smart/PCU/Hybrid (for saving energy & money).
- Grid Export Mode, Grid Charging & IT Load - Enable/ Disable by Display Switch.

Online Solar PCU
3Øin-1Øout & 3Øin-3Øout**Features**

- Single card DSPic based design and inbuilt rMPPT Charge Controller.
- Output Pure Sine Wave with Constant Voltage.
- Inbuilt Isolation Transformer and noiseless in Operation.
- rMPPT peak efficiency 99% and High Reliability.
- Intelligent Charge Sharing.
- Robust design-20yrs Product Life.
- Configurable Priority -
 - a) Solar/Battery/Grid
 - b) Solar/Grid/Batt
- AC and DC Parameter Configurable from LCD.
- Ethernet based Remote Monitoring.
- High Surge Capability (up to 300%) for starting heavy load.
- Protections : OVL, BL, OBC, SCP, IHV, ILV, Phase sequence.

**MARS**

Range Available
5kVA to 20kVA

Online Solar PCU
3Øin-1Øout & 3Øin-3Øout**Features**

- DSPic based design Pure Sine Wave.
- Built in up to 300Amps rMPPT Charge Controller.
- Robust design-20yrs Product Life.
- Configurable Priority -
 - a) Solar/Batt./Grid
 - b) Solar/Grid/Batt
- Intelligent Charge Sharing.
- User Configurable Parameters AC & DC.
- Constant Output Voltage.
- Inbuilt Isolation Transformer.
- Protections : OVL, BL, OBC, SCP, IHV, ILV, Phase sequence.
- IEC : 61643-1/11.

STAR

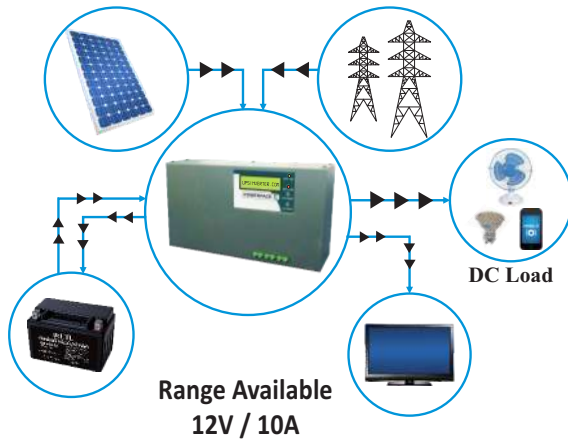
Range Available
25kVA to 120kVA

ALFA ONLINE PCU
1Øin-1Øout**Features**

- DSPic based Pure Sine Wave Design.
- Inbuilt in rMPPT charge controller (30% more efficient).
- Maximum preference to Solar Power.
- USB based communication, 30 days data logs inbuilt and AC& DC energy meter inbuilt.
- Comply with IEC 61683 and IEC 60068-2-(1,2,14,30) standards.
- Robust design-20 yrs product life, 2-5 yrs of warranty.
- Reverse AC Voltage Protection.
- User Friendly Control :- Output Voltage, Chg. Voltage - SPV/Grid, Chg. Current - SPV/Grid, Grid Reconnect, Batt. Low.
- Priority based working modes - Smart/PCU/Hybrid (for saving energy & money).
- NLSD, Grid Charging, IT Load - Enable/Disable by LCD.

**ALFA Online**

Range Available
5kVA to 20kVA

Solar Charge Controller

Features

- PV Charging Efficiency >90%.
- Self Consumption of System <50mA.
- Deep Discharge Protection.
- Solar Priority Over Grid Power.
- Sleep Mode Feature.
- Visual Display.

Solar Charger Controller
Features

- Controller Based PWM Technology.
- Works Efficiently.
- LED Indications.
- Battery Auto Detection.
- Over Charging Current Protection.
- Over Charging Voltage Protection.
- Battery Reverse Protection.
- Battery Deep Discharge Protection.
- Overload Protection.
- SPV Reverse Polarity Protection.
- Reverse current flow from Battery Solar Array Protection.


PWM (LCD)

Range Available :- 12V / 24V - 20A


PWM

Range Available :- 12V / 24V - 10A

Solar Management Unit

r-MPPT SMU
 Range Available
 12V / 24V - 40A

PWM SMU
 Range Available
 12V / 24V - 40A/50A

Features

- High Speed and High Performance Microcontroller.
- High Reliability with Longer Operational Life.
- Inbuilt Protection to avoid Battery Undercharge and Over Charge.
- Automatic Voltage Selection for 12V or 24V.
- Solar Prioritization.
- Compact Design with Wall Mounting.
- Eco Friendly.

Online UPS**High Frequency
1Øin-1Øout****DEEP IMPACT****Range Available
1kVA to 3kVA****Features**

- High frequency and double conversion on-line technology.
- Digitized microprocessor control optimizes reliability.
- Wide input voltage range (110V - 300V).
- Input power factor correction.
- UPS start up without battery.
- Cold start function.
- ECO mode available.
- Generator compatible.
- Default USB or RS232 Communication.
- Option for Smart SNMP that works with either USB or RS232.

Online UPS**High Frequency
1Øin-1Øout****Features**

- N+X parallel redundancy.
- Online double conversion with DSP control.
- Input current harmonic: <3%.
- Optimization battery group, the quantity of battery: 16/18/20 pieces (optional).
- Wide input voltage range: 120~276Vac.
- Support generator input .
- Support economic(ECO) operation mode.
- Self-testing when UPS startup.
- Cold start.

**DEEP IMPACT****Range Available
6kVA to 10kVA**

Online UPS

Isolation Based
1Øin-1Øout

Configure Charging Current from Front Panel.**ALFA**

Range Available
3kVA to 10kVA

Features

- Double Conversion True Online UPS Design.
- Single card advance DSP based design, Pure Sine wave output.
- Better Input power factor with PFC.
- Inbuilt Isolation Transformer.
- Durability & High Performance.
- Cost Efficient & Service friendly.
- Manual and Static Bypass available.
- Short Circuit, Lightening and Surge Protections.
- Compatible with GENSET.
- Communication – RS232, SNMP/Ethernet & USB.

Online UPS

3Øin-1Øout & 3Øin-3Øout

Features

- Double Conversion True Online UPS design.
- Advance DSP based design Pure Sine Wave.
- Better input power factor with a PFC.
- Inbuilt Isolation Transformer.
- Durability & High Performance.
- More than 90% efficiency and service friendly.
- Manual and Static bypass available.
- Short Circuit Protections.
- Compatible with GENSET.
- Communication – Ethernet.
- Protection : OVL, BL, OBC, IHV, ILV.

**MARS**

Range Available
5kVA to 20kVA

Online UPS

3Øin-1Øout & 3Øin-3Øout

**STAR**Range Available
25kVA to 120kVA**Features**

- Double Conversion True Online UPS design.
- Advance DSP based design Pure Sine Wave output.
- Better input power factor with a PFC.
- Inbuilt Isolation Transformer.
- Durability & High Performance.
- More than 90% efficiency and service friendly.
- Manual Bypass available.
- Short Circuit and Surge Protections by SPD.
- Compatible with GENSET.
- Communication – Ethernet.
- Protection : OVL, BL, OBC, IHV, ILV.

3Ø Lift / Elevator UPS**Features**

- With Inbuilt ARD Features.
- High Reliability with DSP Sine Wave Technology.
- Less maintenance & eco-friendly.
- Input 3-phase Sequencing Protection (Selectable).
- Smart LCD Display with LED indications.
- Facility for manual bypass.
- Load sensing with smart control.
- Selectable change over time (0-30Sec).

**LIFT**Range Available
6kVA to 20kVA

ARD 2Ø

Automatic Rescue Device



Range Available
5hp / 7.5hp / 10hp

Features

- High reliability with Microcontroller based Sine Wave Technology.
- Less maintenance & eco-friendly.
- Selectable Change Overtime.
- Flexible turn ON/OFF the Back-up Power.
- Selectable Back-up time.
- Safe and reliable Operation.
- Battery Charging Monitoring.
- Extensive signaling.

ARD 1Ø

Automatic Rescue Device

Features

- Pure Sine Wave with regulated output.
- State of the art Battery charger with three charging modes - Trickle, Float and Full.
- Operates on 1Ø 220VAC, 50Hz Power.
- Very simple interface, easy and quick to install.
- Maintains Battery Health.
- Auto Overload Resetting.



Range Available
5hp / 7.5hp & 10hp

BATTERY CHARGER

Range Available
48V / 12A, 60V / 12A & 48V / 15A

Features

- Robust Cabinet with Robust Anderson Connector.
- SMPS based fully Automatic.
- Easy to understand Digital Display.
- Digital Control Circuit with Powerful Microcontroller.
- Perfect Charging at 160V to 280V.
- Phase to Phase Protection (440V) Available.

ELECTRIC TWO WHEELER CHARGER**Features**

- SMPS based fully Automatic.
- Digital Control Circuit with Powerful Micro controller.
- Perfect Charging at 180V to 280V/300V.
- Output DC Lead with 3Pin Computer Socket
- Intelligent Charging with Auto cut.



Available in
48V/6A, 8A & 10A, 60V/8A & 72V/10A

DC-DC CONVERTER

Range Available
12V /10A & 15A

Features

- Designed to meet adverse Indian climatic condition.
- Input Reverse Connection Protection (Internal fuse).
- Best performance due to High Efficient PWM.
- Low Battery cut off.
- Output Short Circuit Protection.
- Waterproof, IP65.
- Light weight.
- Aluminum Alloy Cabinet with good heat dissipation and shock absorption.

TALL TUBULAR BATTERY

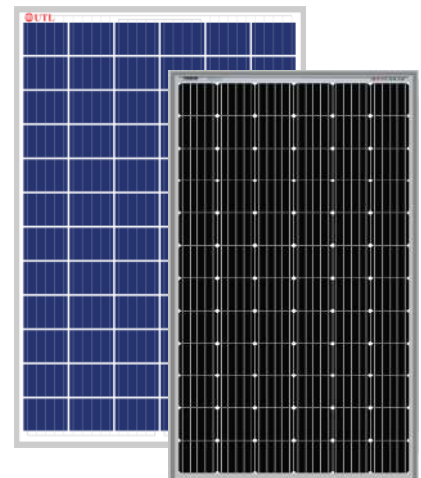
**Range Available
40Ah to 230Ah**

Features

- Unique Tubular/Net Positive plates designed for Longer Life.
- Superior Active Material & Special Alloy Used For Low Maintenance of the Battery.
- Plate Designed with Special Additives to get Quick Recovery from deep Discharge.
- Float vent plug for Electrolyte Level Indicator.
- High Acid Volume Per Ampere Hour.
- Life Cycle – 1500@80% DOD.

SOLAR PANEL**Features**

- Designed for Roof Top Application.
- Reliable for all type of Environmental Conditions.
- High Power Output using High Efficiency Cell.
- More Efficient with 5 Bus Bar in Poly
- More Efficient with 9 Bus Bar in Mono.
- Special Aluminum Frame Design.
- Low Sun Light Performance.
- Durable for 25 Years for Poly & 27 Years for Mono



**Polycrystalline & Monocrystalline
Available in - 40W to 540W**



OUR GLOBAL PRESENCE

The list is growing at a rapid pace, with smile on all our customer's face.



PRESTIGIOUS CUSTOMERS



and Many More...



Manufacturing Units



Research & Development



Manufacturing Facilities



BUY FROM 25 YEARS OLD ORIGINAL INDIAN MANUFACTURER

The Power...

As and when you need it.



**SOLAR | ONLINE UPS | INVERTER | CHARGER | BATTERY | GAS GEYSER |
LED TV | WASHING MACHINE | LED LANTERN | LED TORCH | SOLAR KIT**

FUJIYAMA POWER SYSTEMS PVT. LTD.

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