



# M3 GROUP

*A one step solution to all the finishing products!*

**Company Profile**

# Who Are We?



## We fulfill your ideas



## Ecofriendly, Go green



## Excellent quality, prompt service

- We are into **the finishing works** of the construction field.
- Our area of expertise varies from **the necessary building materials** (such as doors, windows, electrical products, electronic components etc.) to **a green energy material** (solar conventional products such as solar water heater, SPV power panels, solar street lights, solar water pump etc.).
- We believe in delivering excellent quality & prompt service. We have the projects running all over India with a desirable feedback from our clients. Best quality and immediate service are our unique characteristics which make us stand superior and above ordinary in our field.

# Our Values

## **Vision**

Building safe, high – quality products and the values that contribute to a better world. We work to become transparent about our business practices and live upto our mission to create advanced, eco-friendly products by offering quick and punctual services. We work hard everyday to seek the client satisfaction and stick to fulfilling their demands.

## **Mission**

To become the largest finishing product company where the customers can find anything and everything they desire for in this field through our extensive complement of producing and providing finest services and customized products.



# Why Us?

- Largest manufacturing capacity
- Well experienced production team
- Strong dealer network
- Fast long term service and support across India
- In house R&D team
- Maximum benefits to our customer
- Excellent product quality one can rely on
- Competent team of highly qualified professionals
- Reliable, cost effective and customized solutions as per client requirement
- Timely completion
- Remarkable track record of delivery





# Workflow Management



# Our Products



**Solar PV Panels**



**Solar Water Heater**



**Fire Rated Doors**



**Al Sliding Windows**



**Security Products**



**Garbage Chute System**



**Electrical switches  
and cables**



# Solar PV Panel System

We are a leading manufacturer brand in all types of solar equipments & accessories. We manufacture and supply all solar products including Solar PV panels, Solar water heaters (both ETC & FPC), solar water pump, solar parks/farming, solar street lighting etc.

## Briefing of Solar Products -



### **Solar roof-top system :**

- Available in both On-grid and off-grid systems
- Eco-friendly green energy generation
- A regular income can be obtained by selling the excess energy
- Entire house energy load demand can be met
- No need to worry about regular local energy cut-offs / load-shading
- Energy storage can be achieved



### **Solar farming / Solar Parks :**

- A new business source with true value to its money
- Solar energy trading now becoming familiar due to its great pay back return benefits
- An unused land can be engaged to produce an electrical energy
- Net-metering required for trading of the electricity is done by us including the approvals and permissions from the respective authority
- Long term returns

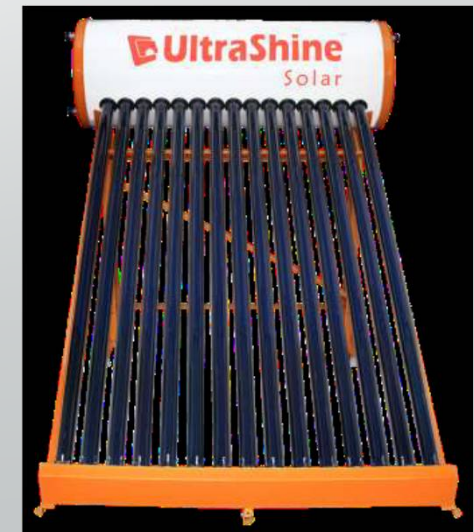
## Solar Water Heater



- Solar water heater is now becoming the need of time as other heating appliances require more maintenance and are sometimes hazardous to the health.
- Solar is well-known as a clean and green source of energy thus, gaining a higher importance.
- It is also maintenance free and need not require any expertise for its working.

### Technical specifications -

Description	Specification
Material Used	2.5 mm GI
Anti-corrosion treatment	Special marine coating inside the tank
Connection	Stainless steel 25 mm diameter, threaded
Tank to tube seal	Best quality silicon seal
Insulation	High-density poly urethane foam 50mm
Electric back-up	Provision for electric back-up is available





# Solar Water Pump

## Advantages –

- Clean and efficient operation
- No electricity required
- No fuel cost
- Highly reliable and durable
- Eco-friendly and long operating life (around 30-40 years)
- No complicated wiring
- Easy to remove, transport and install



## Technical data

<b>PV Input</b>	
Maximum Input DC Voltage	VSR23: 400VDC VSR48: 800VDC
Recommended Voc Range	VSR23: 320~370VDC VSR48: 500~700VDC
Recommended MPPT Voltage Range	VSR23: 250~350VDC VSR48: 450~600VDC
Starting Voltage Range	VSR23: 120~400VDC VSR48: 250~800VDC
<b>Grid or backup generator input</b>	
Input Voltage	VSR23: Single phase 220V (-15%~30%) VSR48: Three phase 380V (-15%~30%)
<b>Output specification</b>	
Rated output voltage	3PH – 220V for VSR23 & 380V for VSR48
Output frequency	0~600.00Hz (Default 0 50.00Hz)
<b>Protection</b>	
Built-in Protection	Lighting Protection, over-current, over voltage, output phase-lose, under-load, under voltage, short circuit, overheating, water pump run dry etc.
<b>General Parameters</b>	
Site conditions	No direct sunshine, no dust, corrosive gas, combustible gas, oil mist, steam, dripping or salinity etc.
Altitude	0~2000m (above 1000m, derate the capacity by 1% per 100m)
Environment Temperature	-10°C~40°C (40°C~50°C with deration)
Humidity	5~95%, non-condensation
Vibration	less than 5.9 m/s <sup>2</sup> (0.6g)
Storage Temperature	-20°C~+70°C
Efficiency	Rated Power Run≥ 93%
Installation	Wall or rail mounting
Protection Grade	IP20
Cooling	Forced air Cooling
Communication	Modbus 485



## Solar LED street Lights

- Independent operating grid hence no electricity required
- Maintenance is less compared to conventional lights
- Simple wiring structure
- Risk of physical accidents is less
- A clean source of energy



**Solar panels** – “an uninterrupted electricity even at darker times without depending upon the local power authority, also can be sold via net-metering.”

We deliver :

- Eco friendly electric generation with considerably reduced electricity bills
- Diverse applications with negligible maintenance cost
- Grid interactive inverter and bidirectional meter
- Zero carbon emission and deposition
- Lower transmission and distribution losses
- High depreciation benefits and minimum payback time (around 2-3 yrs.) for industrial/commercial zones.

# Fire Rated Doors

46mm thick 'Radiant Fire' make Fire Resistant Door,(2 Hours Fire Rated ) fabricated with 2 nos. of 1.25mm thick G. I. Sheet with filler(Rockwool) both faces sheet with lock seam joints at stile edges and internal reinforcement at top bottom and stile edges. The Door Frames are manufactured from 1.6mm thick G. I. sheet Pressed from to single Rebate.

The door will be finished with powder coating.(The choice of colour shade will be according to client choice.)

## Door Hardware



Hinges



Handle



Door Closure



Mortise Lock



Fire Strip



Latch Lock





# Aluminium Sliding Windows

- Naturally strong window profiles.
- Durability and low maintenance.
- Wide range of colour finishes.
- High thermal performance.
- Consistently stable all year round.
- Flexible and versatile appearance.
- Exceptional lifespan.
- Timely delivery and skilled installation.



# Security Products

## Intercom System

An intercom (intercommunication device), talkback or doorphone is a stand-alone voice communications system for use within a building or small collection of buildings, functioning independently of the public telephone network. Intercoms are generally mounted permanently in buildings and vehicles. Intercoms can incorporate connections to public address loudspeaker systems, walkie talkies, telephones, and to other intercom systems. Some intercom systems incorporate control of devices such as signal lights and door latches.



## Video Door Phone System

Video door-phone (also known as video door entry or video intercom) is a stand-alone intercom system used to manage calls made at the entrance to a building (residential complex, detached family home, workplace, etc.) with access controlled by audiovisual communication between the inside and outside. The main feature of video door entry is that it enables the person indoors to identify the visitor and, if (and only if) they wish, engage in conversation and/or open the door to allow access to the person calling.

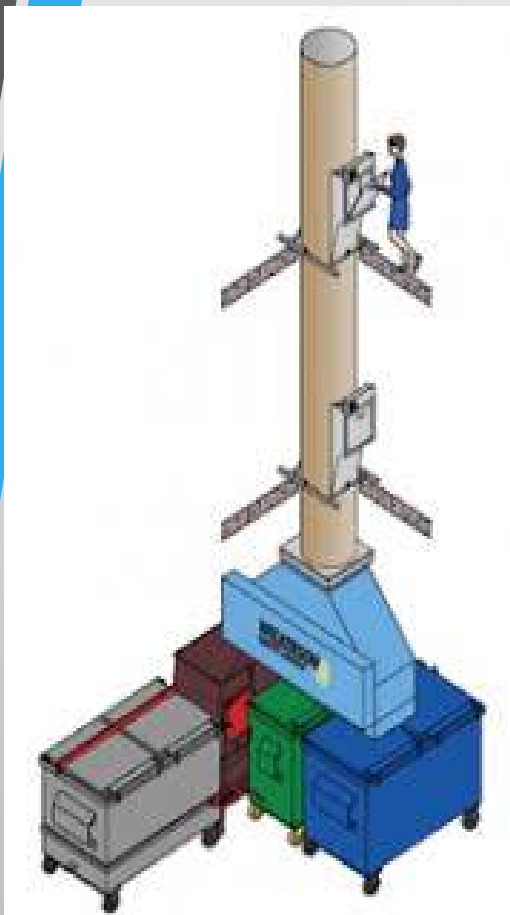


## CCTV System

Closed-circuit television (CCTV) is the use of video cameras to transmit a signal to a specific place, on a limited set of monitors. It differs from broadcast television in that the signal is not openly transmitted, though it may employ point to point (P2P), point to multipoint (P2MP), or mesh wired or wireless links. Though almost all video cameras fit this definition, the term is most often applied to those used for surveillance in areas that may need monitoring such as bars, banks, casinos, schools, hotels, airports, hospitals, restaurants, military installations, convenience stores and other.



# Garbage Chute System



Standard Intake Door is 15"x18" Bottom Hinged.

Specifications:

Doors are fabricated with type 304 Stainless Steel, Stainless Steel Hinges, with a self closing, self latching quite door closing function.

Classified 'UL' Class B labeled: 1-1/2 hour fire rated with 30-minute temperature rise of 250 degrees Fahrenheit and a frame suitable for enclosing multiple type chase construction.

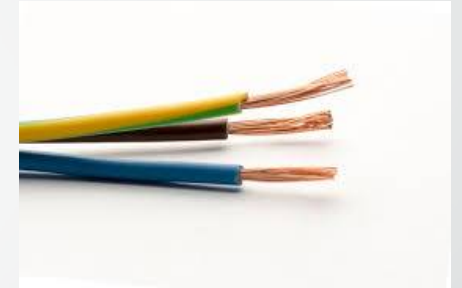
Doors are provided with key locking devices at each intake door location. Door trim is embossed 'RUBBISH'.





# Electrical Components

- A wide range of brands is available
- Remarkable track record of delivery
- Best quality guaranteed
- All specifications are according to the standard codes



# Our Esteemed Clients



# Thank-you!

## *Get in touch with us at*



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