

# HIGH ACCURACY ONLINE UPS

True Double-Conversion Intelligent Power Supply Systems



# INTRODUCTION & TECHNOLOGY OVERVIEW

Shorey E-Solutions High-Accuracy Online UPS systems provide continuous protection for mission-critical infrastructure, including IT server rooms, medical centers, and data hubs. Engineered with True Double-Conversion technology, these systems eliminate risks like voltage drops, blackouts, and frequency fluctuations by seamlessly converting incoming AC power to clean DC, then back to a pure sine-wave AC output with zero switching delay (0ms transfer time).

## THE ADVANCED INDUSTRIAL PRODUCT ARRAY

### 1. Single $\phi$ Input / Output (1:1 $\phi$ )

#### • Industrial Series:

Tailored for localized control panels, engineering terminals, manufacturing hubs, and high-performance automation systems.



### 2. Three $\phi$ Input / Single $\phi$ Output (3:1 $\phi$ )

#### • Industrial Series:

Balances phase loads perfectly across distributed enterprise machinery, heavy workstation arrays, and localized assembly lines.

### 3. Three $\phi$ Input / Output (3:3 $\phi$ )

#### • Industrial Series:

Scalable centralized backup engine for continuous corporate setups, critical control rooms, and plant-wide facility networks.



## TECHNICAL SPECIFICATIONS

| TECHNICAL PARAMETER                                    | SINGLE IN / OUT<br>(1:1 $\Phi$ MODELS)                                                                                                                                                                    | THREE IN / SINGLE<br>OUT<br>(3:1 $\Phi$ MODELS)                                                                                                                                                           | THREE IN / OUT<br>(3:3 $\Phi$ MODELS)                                                                                                                                                                     |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Model Classification</b><br>(Series Configurations) | <ul style="list-style-type: none"> <li>Suitable for High-Fluctuation Input</li> <li>Inbuilt Isolation Transformer</li> <li>Backup as per customer requirements</li> <li>Suitable for jerk load</li> </ul> | <ul style="list-style-type: none"> <li>Suitable for High-Fluctuation Input</li> <li>Inbuilt Isolation Transformer</li> <li>Backup as per customer requirements</li> <li>Suitable for jerk load</li> </ul> | <ul style="list-style-type: none"> <li>Suitable for High-Fluctuation Input</li> <li>Inbuilt Isolation Transformer</li> <li>Backup as per customer requirements</li> <li>Suitable for jerk load</li> </ul> |
| <b>Nominal Input Voltage</b>                           | 220V / 230V / 240V AC<br>(Single Phase)                                                                                                                                                                   | 380V / 400V / 415V AC<br>(3-Phase + N)                                                                                                                                                                    | 380V / 400V / 415V AC<br>(3-Phase + N)                                                                                                                                                                    |
| <b>Input Voltage Range</b>                             | 140V – 300V AC                                                                                                                                                                                            | 285V – 475V AC                                                                                                                                                                                            | 285V – 475V AC                                                                                                                                                                                            |
| <b>Input Frequency Window</b>                          | 40 Hz – 70 Hz                                                                                                                                                                                             | 40 Hz – 70 Hz                                                                                                                                                                                             | 45 Hz – 70 Hz                                                                                                                                                                                             |
| <b>Input Power Factor</b>                              | $\geq 0.8$ at Full Rated Load                                                                                                                                                                             | $\geq 0.8$ at Full Rated Load                                                                                                                                                                             | $\geq 0.8$ at Full Rated Load                                                                                                                                                                             |
| <b>Nominal Output Volt</b>                             | 220V / 230V / 240V AC<br>(Adjustable)                                                                                                                                                                     | 220V / 230V / 240V AC<br>(Adjustable)                                                                                                                                                                     | 400V / 415V / 425V AC<br>(Adjustable)                                                                                                                                                                     |
| <b>Output Regulation</b>                               | $\pm 1\%$ Resistive                                                                                                                                                                                       | $\pm 1\%$ Resistive                                                                                                                                                                                       | $\pm 1\%$ Resistive                                                                                                                                                                                       |
| <b>Transfer Switching Time</b>                         | 0 ms (Pure Online Double Conversion)                                                                                                                                                                      | 0 ms (Pure Online Double Conversion)                                                                                                                                                                      | 0 ms (Pure Online Double Conversion)                                                                                                                                                                      |
| <b>Inverter Efficiency</b>                             | > 95% in Inverter Mode                                                                                                                                                                                    | > 95% in Inverter Mode                                                                                                                                                                                    | > 95% in Inverter Mode                                                                                                                                                                                    |
| <b>Overload Capacity</b>                               | 105%-110% for 10 min<br>125% for 1 min                                                                                                                                                                    | 110% for 10 min<br>130% for 1 min                                                                                                                                                                         | 110% for 60 min<br>125% for 10 min                                                                                                                                                                        |

# PRODUCT SHOWCASE



## Why Choose Shorey?

- ✓ ISO Certified Manufacturing
- ✓ Premium Components
- ✓ Custom-Built Solutions
- ✓ Fast Project Delivery
- ✓ Experienced Engineering Team
- ✓ SCADA Integration Support
- ✓ After-Sales Service

## CONTACT US

**Destiny**  
By: Shorey E-Solutions

### Shorey E-Solutions

Powering Infrastructure, Securing Operations

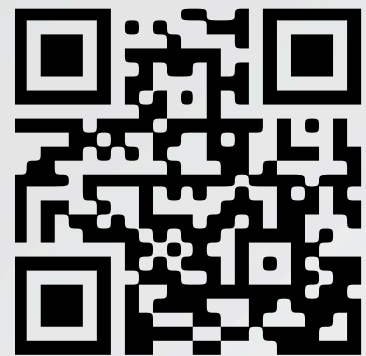
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**Product Segment Portfolio:** Servo Voltage Stabilizers | Online UPS Systems |  
Industrial LT & PCC Panels



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