



# Servo Stabilizers

Fine-tuned Power for critical equipments



# Servo Stabilizers



## Unique Features

A Servo Voltage Stabilizer is an advanced device that maintains stable output voltage by adjusting the input supply through a servo motor. It protects sensitive equipment from voltage fluctuations, over-voltage, under-voltage, and surges—improving the performance, efficiency, and lifespan of electrical systems.

# Operational Domains of Servo Stabilizers



## Industrial Applications

- Manufacturing
- Textiles
- Packaging
- Defence



## Processing Sectors

- Printing
- Food processing

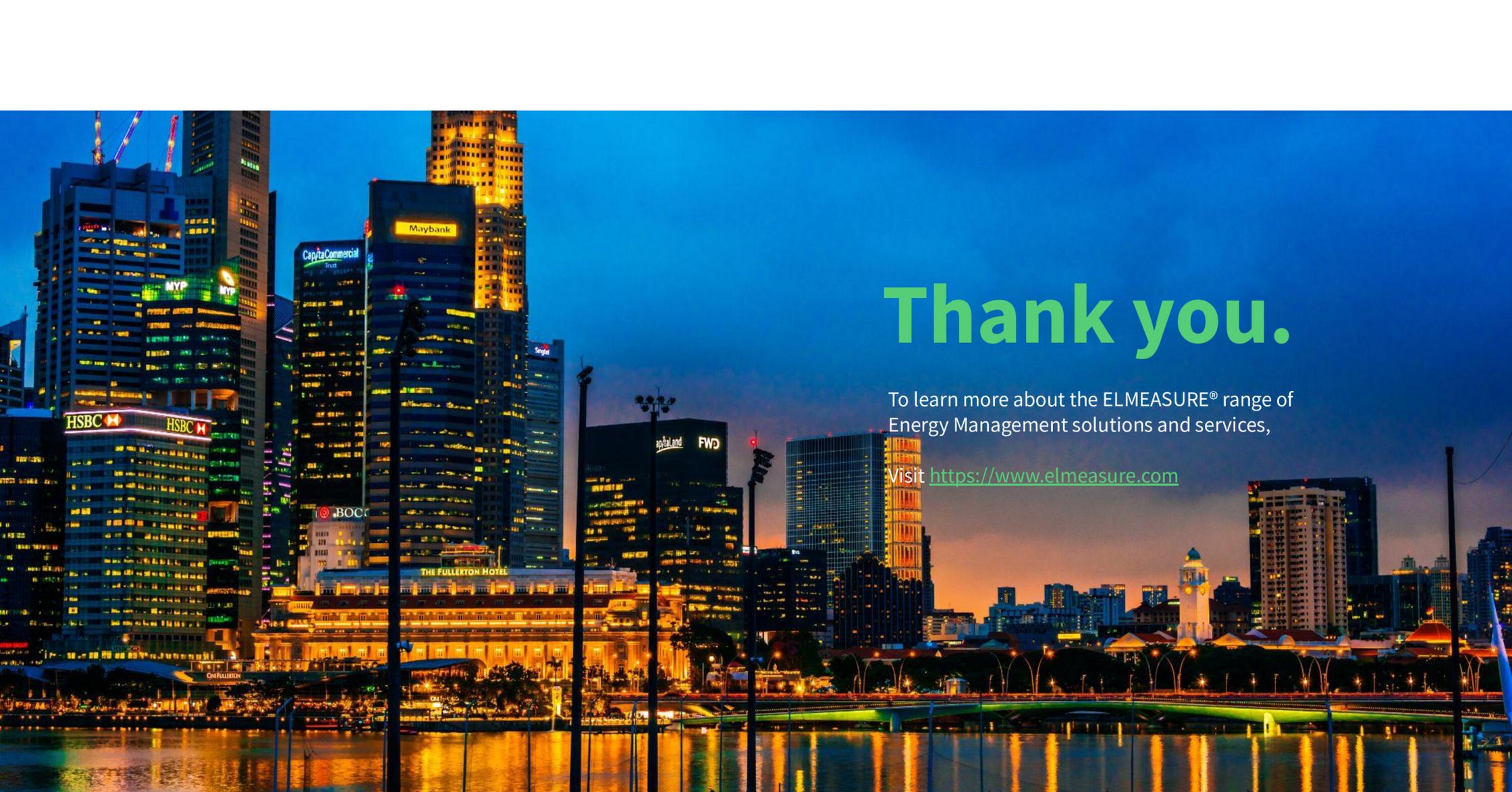


## Commercial Infra

- Homes / Villas / Apartments
- Shopping Malls
- Multiplexes
- Restaurants
- Resorts
- Healthcare

# Technical Specifications

General Characteristics	1 Phase ELM -S	3 Phase ELM-T
Input voltage regulation range	(140–280)V, (170–280)V, (196–280)V	(240–465)V, (290–465)V, (320–480)V, (340–480)V
Output voltage	(230 or 240) V ± 1%, <i>Customizable</i>	(400 or 415) V ± 1%, <i>Customizable</i>
Frequency	47–53 Hz	
Protection	High & low voltage cut-off, Output overall cut-off, Short-circuit protection: Phase to Neutral, Phase to Phase	
Standard KVA Ratings	3–30 KVA	3–1600 KVA
Inbuilt	EMI/RFI Filter/ Surge Arrester	
Working Range	Working range will depend on cut-off % as per factory setting low — cut-off percentage 10%,15% High— cut-off percentage 5%,10%	
Metering	V <sub>IN</sub> , V <sub>OUT</sub> , I <sub>OUT</sub>	
Reading Accuracy	± 1%	
Maximum Ambient Temperature	45°C at full load	
Humidity	Up to 95% non-condensing	
Overload protection cut-off	> 20% of Overload	
Trip	10% on low side and 5% on the high side	
Emergency Bypass	Available up to 75 KVA 3 PHS   Optional from 75KVA	
Efficiency	> 97%	



# Thank you.

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