



— POWERING RELIABILITY. EMPOWERING FUTURE. —

A HEIZKA BRAND

UNINTERRUPTIBLE POWER SUPPLY · TOWER · VRLA

# S-Series

## Product Range 2025

3 kVA · 2.7 kW · 1Φ → 1Φ · Rack · VRLA Battery

**3 kVA**

2.7 kW

RS3K

1Φ → 1Φ · Rack

Online Double  
Conversion — VFI

90 ~ 300 VAC  
Wide Input Range

0 ms Transfer  
Zero Interruption

VRLA Battery  
Maintenance-Free

High Frequency Online Double-Conversion (VFI) topology.  
Wide input 156–520 VAC — compatible with Generator Sets.  
Conformal coating — anti-corrosion for harsh environments.  
Input PFC > 0.99 — reduces wiring and energy costs.

### DESIGNED FOR

- Data Centers & IT Infrastructure
- Telecommunications Networks
- Medical & Healthcare Systems
- Industrial Automation & Control
- Financial & Banking Systems
- Harsh Environment Deployments

### KEY CERTIFICATIONS

CE · IEC 62040-1/2  
RoHS · ISO 9001

### BRAND OWNERSHIP

Voltrix is an UPS brand  
owned by Heizka.



VOLTRIX BY HEIZKA — COMPANY & BRAND OVERVIEW

Heizka is a global power solutions company specialising in the development and distribution of industrial-grade Uninterruptible Power Supply systems across Asia-Pacific, EMEA and the Americas. With a strong focus on product quality, technical reliability and after-sales support, Heizka serves clients in data centres, telecommunications, healthcare, finance and critical infrastructure sectors worldwide.

**Voltrix** is Heizka's flagship UPS brand — a curated portfolio of high-performance, globally certified power protection products. Every Voltrix product is engineered to international standards (IEC, CE, RoHS), backed by Heizka's worldwide service and distribution network, and supported by 24/7 technical assistance.

|                                                       |
|-------------------------------------------------------|
| • Global distribution network across 30+ countries    |
| • ISO 9001:2015 certified manufacturing               |
| • 24/7 technical support & after-sales service        |
| • Full range coverage: 1 kVA to 20 kVA & beyond       |
| • CE · IEC 62040 · RoHS · ISO 9001 certified products |
| • Complete UPS range: 1 kVA to 800 kVA                |

S-SERIES TOWER UPS — PRODUCT FAMILY

The Voltrix **S-Series** is a range of **high-frequency online double-conversion (VFI)** Tower UPS systems built on Valve-Regulated Lead-Acid (VRLA) sealed battery technology. Available in three power ratings — **10 kVA, 15 kVA and 20 kVA** — each in a standard built-in battery model and a long-backup external battery variant, the S-Series covers the full spectrum of medium-power critical infrastructure requirements. With an ultra-wide 3-phase input range of 156–520 VAC, robust conformal-coating construction, 0 ms transfer time and >0.99 input power factor correction, the S-Series is engineered for maximum compatibility with generator sets and challenging grid environments across global deployments.

S-SERIES — MODEL QUICK REFERENCE

| VOLTRIX MODEL | APPARENT POWER | ACTIVE POWER | INPUT CONFIG | BATTERY TYPE              | PART NUMBER |
|---------------|----------------|--------------|--------------|---------------------------|-------------|
| RS3K          | 3 kVA          | 2.7 kW       | 1Φ → 1Φ      | Internal VRLA (6×12V/7AH) | VTX-RS3K    |

KEY PRODUCT FEATURES

|                                                              |                                                            |
|--------------------------------------------------------------|------------------------------------------------------------|
| • High Frequency Online Double-Conversion (VFI) topology.    | • Wide input 156–520 VAC — compatible with Generator Sets. |
| • Conformal coating — anti-corrosion for harsh environments. | • Input PFC > 0.99 — reduces wiring and energy costs.      |

## TECHNICAL SPECIFICATIONS — S-SERIES 3 KVA

1-Phase In / 1-Phase Out | Rack | VRLA Battery | Online Double Conversion (VFI)

| SPECIFICATION       | RS3K 3 kVA / 2.7 kW                      |
|---------------------|------------------------------------------|
| INPUT               |                                          |
| Topology            | VFI Online Dbl. Conv.                    |
| Input Config        | 1Φ L/N+PE                                |
| Nominal Input V     | 110~127V or 220~240V                     |
| Input Range         | 60~300V (half load) 176~300V (full load) |
| Input Freq.         | 40 ~ 70 Hz                               |
| Input PF            | 0.99 @ Full                              |
| OUTPUT              |                                          |
| Output Voltage      | 230 VAC (220/240/208V) or 120 VAC        |
| Volt. Regulation    | ±1%                                      |
| Freq (Sync Mode)    | 46~54 Hz 57~63 Hz                        |
| Freq (Bat. Mode)    | 50Hz±0.05 60Hz±0.05                      |
| THDv Lin./Non-lin.  | 2% / 6%                                  |
| Waveform            | Pure Sine                                |
| Transfer Line↔Bat   | 0 ms                                     |
| Transfer Inv↔Bypass | < 4 ms                                   |
| EFFICIENCY          |                                          |
| AC → AC             | 91%                                      |
| ECO Mode            | 96%                                      |
| Battery Mode        | 89%                                      |
| BATTERY & CHARGER   |                                          |
| Battery Type        | VRLA Lead Acid                           |
| Battery Config.     | 6×12V/7AH (internal)                     |
| Float Charge V      | 81.8 V                                   |
| Backup @50% Load    | ≥ 5 min                                  |
| Recharge Time       | ~5 h                                     |
| Max Rech. Current   | 1.5 A                                    |
| Display / Comm.     | LED/LCD RS232/USB                        |
| PHYSICAL            |                                          |
| Form Factor         | Tower / Rack 2U                          |
| Rack W×H×D (mm)     | 438×88×350                               |
| Net Weight (kg)     | 21.6                                     |
| ENVIRONMENT         |                                          |
| Operating Temp.     | 0~+40°C                                  |
| Humidity            | 5~97% RH Non-cond.                       |

## COMMUNICATION & INTERFACE OPTIONS

All S-Series models share identical communication interfaces

| INTERFACE / FEATURE  | SPECIFICATION                                                                           |
|----------------------|-----------------------------------------------------------------------------------------|
| HMI / Display        | LED / LCD (Option) — Input/Output Voltage, Frequency, Load %, Battery Status            |
| Standard Comm. Ports | RS232 (all models standard)                                                             |
| Optional — USB       | USB communication port                                                                  |
| Optional — SNMP Card | SNMP v1/v2c · TCP-IP · Web GUI — remote UPS monitoring and management                   |
| Alarm Function       | Battery Mode · Battery Low · Overload · Fault — audible buzzer alarm                    |
| Protection Function  | Input/Output over-voltage · Under-voltage · Overload · Over-temperature · Short circuit |

## MODEL SELECTION & ORDERING INFORMATION

Contact your Voltrix / Heizka regional representative for pricing and lead times

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|---------------|----------------|--------------|--------------|---------------------------|-------------|
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## OPTIONAL ACCESSORIES

| PART NUMBER   | DESCRIPTION                                           | COMPATIBLE MODELS   |
|---------------|-------------------------------------------------------|---------------------|
| VTX-CARD-SNMP | SNMP card — SNMP v1/v2c, TCP-IP, Web GUI monitoring   | All S-Series        |
| VTX-CARD-DRY  | Dry contact interface — generator / BMS signals       | All S-Series        |
| VTX-EBC-VRLA  | External VRLA Battery Cabinet — configurable capacity | All KL models       |
| VTX-SW-NMS    | Voltrix NMS Software — multi-site UPS monitoring      | All (requires SNMP) |

## CERTIFICATIONS & QUALITY COMPLIANCE

All Voltrix S-Series products are designed and manufactured under **ISO 9001:2015** quality management systems and carry: **CE** (EU Declaration of Conformity), **IEC/EN 62040-1** (UPS Safety), **IEC/EN 62040-2** (UPS EMC — Class C2), and **RoHS 2011/65/EU**.

## WARRANTY & GLOBAL SUPPORT

| COVERAGE               | TERMS & CONDITIONS                                                               |
|------------------------|----------------------------------------------------------------------------------|
| UPS System Warranty    | 2 years from date of purchase — parts and labour, return-to-base service         |
| VRLA Battery Warranty  | 1 year (battery service life is load and temperature dependent)                  |
| Technical Support      | 24/7 dedicated hotline and email — response within 4 hours                       |
| Global Service Network | Regional service centres across Asia-Pacific, EMEA, and the Americas             |
| Documentation          | Installation manual, commissioning guide, and NMS software guide with every unit |

*Specifications subject to change without notice. Backup times are indicative and depend on load, temperature, battery age and discharge history. Voltrix is a registered brand of Heizka. All trademarks are property of their respective owners.*