



— POWERING RELIABILITY. EMPOWERING FUTURE. —

A HEIZKA BRAND

UNINTERRUPTIBLE POWER SUPPLY · TOWER · VRLA

S-Series

Product Range 2025

1 kVA · 0.9 kW · 1Φ → 1Φ · Tower · VRLA Battery

1 kVA

0.9 kW

S1KL

1Φ → 1Φ · Tower

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
S1KL	1 kVA	0.9 kW	1Φ → 1Φ	Ext. 24V/36V Battery	VTX-S1KL

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 1 KVA

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

SPECIFICATION	S1KL 1 kVA / 0.9 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	89%
ECO Mode	94%
Battery Mode	87%
BATTERY & CHARGER	
Battery Type	VRLA Lead Acid
Battery Config.	Ext. 24V/36V
Float Charge V	27.3/41.0 V
Backup @50% Load	Per EBM
Recharge Time	Per EBM
Max Rech. Current	6 A
Display / Comm.	LED/LCD RS232/USB
PHYSICAL	
Form Factor	Tower / Rack 2U
Tower W×H×L (mm)	145×220×400
Net Weight (kg)	6.1
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

VOLTRIX MODEL	APPARENT POWER	ACTIVE POWER	INPUT CONFIG	BATTERY TYPE	PART NUMBER
S1KL	1 kVA	0.9 kW	1Φ → 1Φ	Ext. 24V/36V Battery	VTX-S1KL

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.