



— POWERING RELIABILITY. EMPOWERING FUTURE. —

A HEIZKA BRAND

UNINTERRUPTIBLE POWER SUPPLY · TOWER · VRLA

S-Series

Product Range 2025

20 kVA · 18 kW · 3Φ/1Φ → 1Φ · Tower · VRLA Battery

20 kVA

18 kW

S20K

3Φ/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
S20K	20 kVA	18 kW	3Φ/1Φ → 1Φ	Internal VRLA (32×12V/7AH)	VTX-S20K

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 20 KVA

3-Phase In (or 1-Phase In) / Single-Phase Out | Tower | VRLA Battery

SPECIFICATION		S20K 20 kVA / 18 kW
INPUT		
Topology	Online Double Conversion (VFI)	
Input Config	3Φ (L1/L2/L3/N)+PE or 1Φ L/N+PE	
Nominal Input V	380 / 400 / 415 VAC (3Φ)	
Input Voltage Range	156 ~ 520 VAC	
Bypass Voltage Range	310 ~ 450 VAC	
Input Freq. Range	(40~70) Hz ±0.5 Hz	
OUTPUT		
Output Voltage	220 / 230 / 240 VAC ±2%	
Output Freq (Sync)	50/60 Hz ±4 Hz	
Output Freq (Fix)	50/60 Hz ±1%	
THDv (Lin. / Non-lin.)	< 2% / < 7%	
Transfer Time	0 ms	
Input Power Factor	> 0.99	
Output Waveform	Pure Sine Wave	
EFFICIENCY		
Line / ECO / Battery	94% / >95% / 93%	
BATTERY & CHARGER		
Battery Type	VRLA Sealed Lead Acid	
Battery Config.	32×12V/7AH (int.)	
Battery Voltage	192 VDC (240V charge)	
Backup @50% / 100%	≥ 6 min / ≥ 1.5 min	
Recharge Time / Curr.	~5h to 90% / 1.5 A	
Communication	RS232 + USB / SNMP (opt.)	
PHYSICAL		
Form Factor	Tower	
Dimensions W×D×H (mm)	299×698×700	
Net / Gross Weight	88.7 kg / 124.7 kg	
Acoustic Noise	< 55 dB(A)	
ENVIRONMENT		
Operating Temp.	0 ~ +40°C	
Humidity	5 ~ 97% RH (Non-condensing)	

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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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.