

# B1 Series UPS 10 kVA Three/Single phase

- Three Level Inverter
- Power Factor Correction

## ✓ NEW TECHNOLOGY

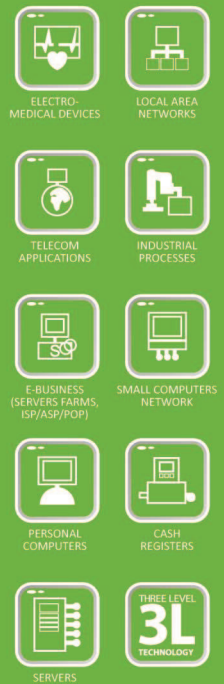
- Three level inverter
- High and stable online efficiency (up to 94%)
- High input PF ( $\geq 0.95$ )
- Low output voltage THD ( $< 2\%$ )
- Short response time ( $< 2\text{ms}$ )
- High input and output performance

## ✓ RELIABLE & USER FRIENDLY

- Low investment and operation cost
- Short return on investment time
- Reduced weight/volume/footprint
- Wide input voltage tolerances ( $- 25\%$ ,  $+20\%$ )
- Cold start
- Energy-saving sleep mode
- Short circuit, lightning and surge protection
- Remote emergency power off (EPO)
- Generator compatibility
- 1-5A adjustable charger (optional)
- Extended battery life with intelligent battery management
- Automatic battery test
- LCD interface and LED operation mode indicator
- Remote monitoring panel (optional)
- 128 event log
- Battery capacity and load percentage display
- SNMP (optional) and RS232 communication
- Remote monitoring and management software
- Dry contacts
- Smart fan control
- Internal battery
- Easy installation and maintenance
- 10 years spare part warranty
- 7/24 technical support and customer service

## ✓ STANDARDS

- EN 62040-1 (Safety)
- EN 62040-2 (EMC)
- CE, ISO 9001:2008, ISO 14001, GOST



94%  
Efficiency



### B1 SERIES UPS TECHNICAL SPECIFICATIONS

	Power (kVA)	10	
INPUT	Voltage	380 / 400 / 415 Vac 3ph + N	
	Voltage Tolerances	- 25%, +20% (without downgrading)	
	Frequency	50 / 60 Hz	
	Frequency Tolerances	± 10%	
	Power Factor	≥ 0.95	
	OUTPUT	Voltage	220 / 230 / 240 Vac 1ph + N
Voltage Tolerances		± 1% (static load), dynamic load in accordance with VFI-SS-11	
Frequency		50 / 60 Hz	
Frequency Tolerances		± 0.1% (self-synchronize), ± 1% (mains-synchronize)	
Power Factor		0.7	
THD <sub>v</sub>		≤ 2% (linear load), ≤ 5% (non-linear load)	
Crest Factor		3:1	
OVERLOAD CAPACITY	≤ 110%	30 min.	
	≤ 125%	60 sec.	
	≤ 150%	10 sec.	
	> 150%	3 sec.	
EFFICIENCY	Online	up to 94%	
GENERAL	Technology	Three level inverter, PFC	
	Control	Microprocessor, SPWM	
	Communication	SNMP (optional), RS232	
	Remote Monitoring	SNMPView , Remote monitoring panel (optional)	
	Dry Contacts	Battery mode, Battery low	
	Custom Inputs	Remote EPO	
	Cold Start	Standard	
	Maintenance Bypass	Standard	
ENVIRONMENT	Operating Temperature	from 0 °C up to +40 °C (from 20 °C to 25 °C for maximum battery life)	
	Relative Humidity	0% - 85% (without condensation)	
	Maximum Altitude	≤ 2000 m	
	Noise Level	< 45 dB (A)	
UPS CABINET	Dimensions (W x D x H) (mm)	255 x 660 x 710	
	Weight (kg)	44	
	Degree of Protection	IP20	
	Colour	RAL7012	
BATTERY	Internal Battery Quantity	20	30
	Internal Battery Capacity (Ah)	7-9	
	External Battery Cabinet Socket	Standard	
STANDARDS	Safety	EN 62040-1	
	EMC	EN 62040-2	
UPS LIFETIME		10 YEARS	