

B2 Series UPS 15-20 kVA | Three / Single phase

- Three Level Inverter
- Digital Power Factor Correction

✓ NEW TECHNOLOGY

- Three level inverter
- High and stable online efficiency (up to 94%)
- High input PF (≥ 0.99)
- Low input current THD (<5%)
- Low output voltage THD (<2%)
- Short response time (<2ms)
- High input and output performance

✓ RELIABLE & USER FRIENDLY

- Parallel option up to 6 units
- Intelligent redundancy management (n, n+1 and n+x)
- Programmable high overload capacity
- Short circuit protection
- Low investment and operation cost
- Short return on investment time
- Highest efficiency eco-mode (up to 98%)
- 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
- 1-7A adjustable battery charger
- Extended battery life with intelligent battery management
- Automatic and manual battery test
- LCD interface and LED operation mode diagram
- Remote monitoring panel (optional)
- 512 real time event log
- Battery capacity, load percentage and ambient temperature display
- SNMP (optional), RS232, RS485, Modem, MODBUS communication
- Remote monitoring and management software
- Dry contacts and custom inputs
- Smart fan control
- Internal battery
- Manual bypass
- 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



ELECTRO-MEDICAL DEVICES



LOCAL AREA NETWORKS



TELECOM APPLICATIONS



INDUSTRIAL PROCESSES



E-BUSINESS (SERVERS FARMS, ISP/ASP/POP)



SMALL COMPUTERS NETWORK



PERSONAL COMPUTERS



CASH REGISTERS



SERVERS



THREE LEVEL TECHNOLOGY

%94 Efficiency



B2 SERIES UPS TECHNICAL SPECIFICATIONS

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	Power (kVA)	10	15	20
INPUT	Voltage	380 / 400 / 415 Vac 3ph + N		
	Voltage Tolerances	- 25%, +20% (without downgrading)		
	Frequency	50 / 60 Hz		
	Frequency Tolerances	± 10%		
	Power Factor	≥ 0.99		
	THD _i	< 8%		
	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 (0.8 optional)		
THD _v		≤ 2% (linear load), ≤ 5% (non-linear load)		
Crest Factor		3:1		
OVERLOAD CAPACITY	≤ 110%	30 min.		
	≤ 130%	10 min.		
	≤ 150%	1 min.		
	≤ 160%	10 sec.		
EFFICIENCY	Online	up to 94%		
	Eco-mod	up to 98%		
GENERAL	Technology	Three level inverter, PFC		
	Control	Dual-DSP, SPWM		
	Paralleling Units	Up to 6 units		
	Communication	SNMP(Optional), RS232, RS485, MODEM, MODBUS		
	Remote Monitoring	SNMPView, Remote monitoring panel(optional)		
	Dry Contacts	Programmable 3 dry contacts		
	Custom Inputs	Generator, Remote EPO, Remote Start/Stop		
	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	< 55 dB (A)		
UPS CABINET	Dimensions (W x D x H) (mm)	255 x 730 x 870		
	Weight (kg)	46	49	51
	Degree of Protection	IP20		
	Colour	RAL7012		
BATTERY	Internal Battery Quantity	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		