

EXTRA POWER

10KVA - 40KVA

True Online / Transformer-Less UPS

3:3 / 3:1/ 1:1 Phase : 10-20kVA

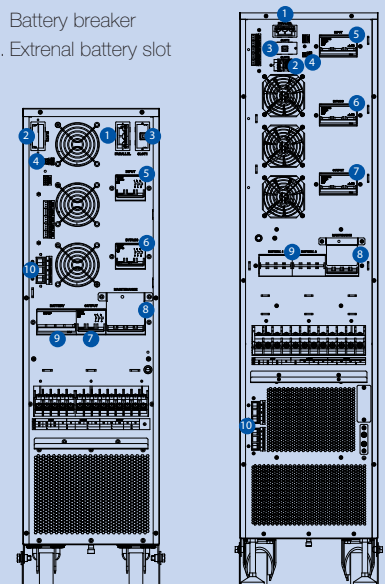
3:3 / 3:1 Phase : 30-40kVA

Highlights

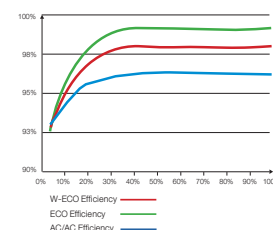
- Adjustable input and output configuration
- High AC/AC efficiency up to 96%
- High output power factor 0.9 or 1 (Option)
- Common battery bank
- Optional 4.3 inch touch screen

BACKSIDE

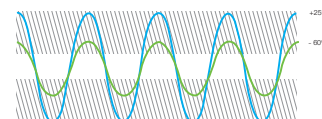
1. Parallel (up to 4-6 Units) (optional)
2. Slot (optional)
3. Slot
4. RS485
5. Input breaker
6. Bypass breaker
7. Output breaker
8. Maintenance breaker
9. Battery breaker
10. External battery slot



TIS.1291 Part 1-2553
TIS.1291 Part 2-2553
TIS.1291 Part 3-2555



up to 96.5% ECO mode efficiency
up to 99%



wide input voltage range

GREEN POWER

- AC/AC efficiency up to 96%, less TCO and more energy saving
- Output power factor 0.9 or 1 (Option), more powerful to connect more critical loads
- 3 level IGBT technology for higher efficiency and minimized interference to grid

HIGH RELIABLE

- Super wide input voltage range -60%~+25% for higher grid adaptability
- Dual DSP control for top performance
- Intelligent fan speed control reduce noise and prolongs fan life
- Anti-corrosion resistant coating for all PCB boards
- Full protection with input, output, bypass, maintenance bypass and battery breaker
- ECO mode and EPO function

FLEXIBLE DESIGN

- Adjustable input and output
- Built-in battery and flexible battery configuration
- Common battery bank
- Easy onsite parallel slot modification
- Wheel design
- Options are displayed in 7 languages: English, Russian, Chinese, Spanish, Polish, Italian and Korean

Your choice of power protection

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Internal and external battery design

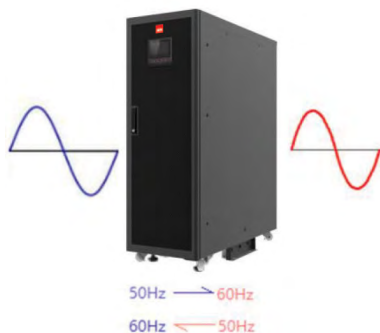


Compatible with transformer



FLEXIBLE

Frequency Converter



Easy to support different mains frequency load

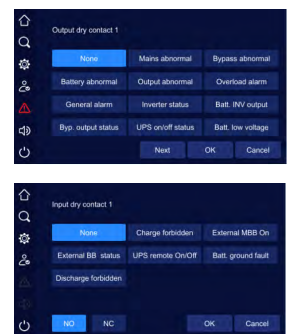
Common battery bank



Common battery bank

Save the space and lower TCO
Battery range: 28~46 pcs

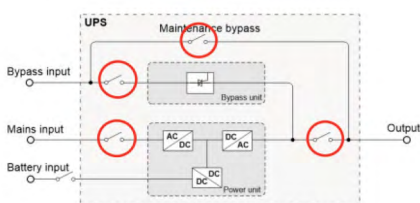
Programmable dry-contact



Input dry contact: 6 functions
Output dry contact: 11 functions

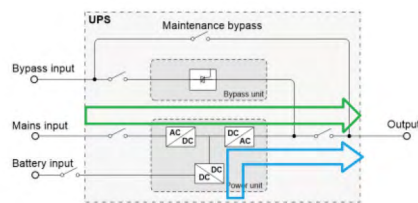
SAFE

4 breaker design



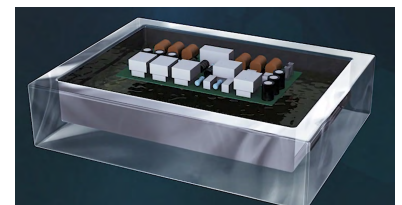
4 breaker integrated design No need to consider upstream and downstream distribution set

Battery rectifier soft start



Smooth transfer the power from Battery mode to double conversion Prevent any impact for input grid

Anti-Corrosion Coating



Anti-corrosion resistant coating for all PCB boards

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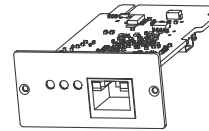


DISPLAY PANEL (Option)

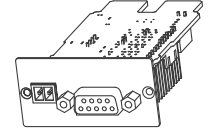


Touch screen LCD
7" or 4.3" (Option)

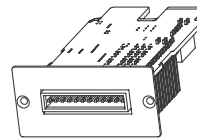
ACCESSORIES (Option)



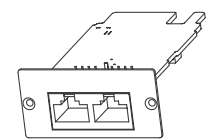
Parallel kit



RS485+Relay card

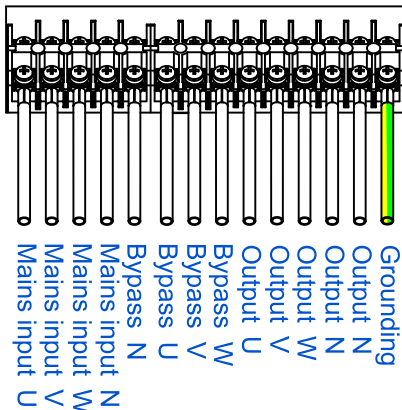


Protocol transfer kit

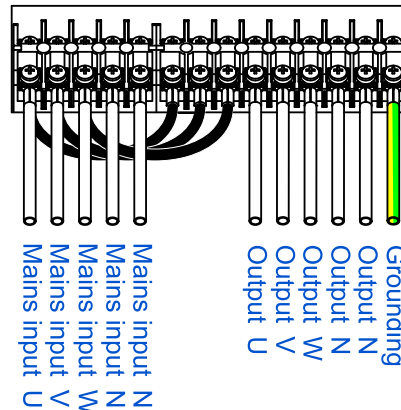


SNMP card

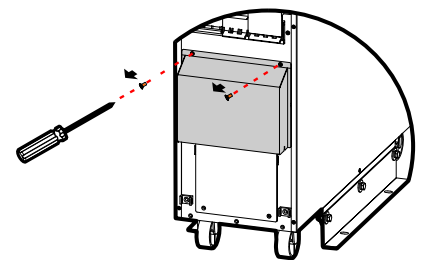
UPS Wiring Operation



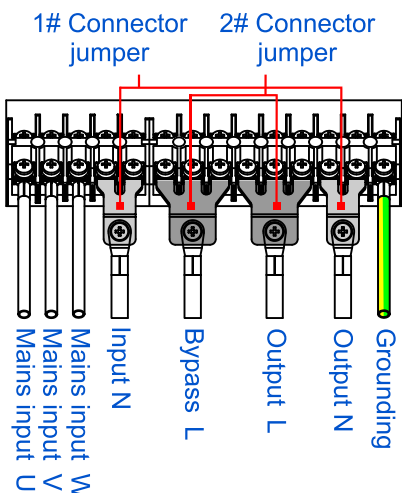
3:3 Phase mode
(Different input source)



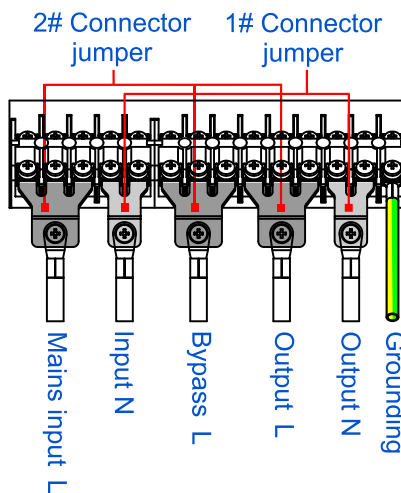
3:3 Phase mode
(One input source)



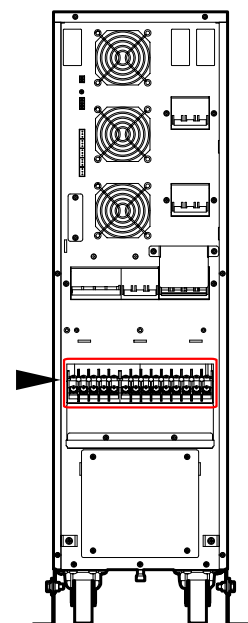
Unscrew the bolt
on the wiring cover plate



3:1 Phase mode (10-40KVA)



1:1 Phase mode (10-20KVA)



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www.bcn-ups.com



TELECOM-
MUNICATIONS
DEVICES



LOCAL AREA
NETWORKS
(LAN)



E-BUSINESS
(Servers Farms,
ISP/ASP/POP)



SERVERS



CASH
REGISTERS



EMERGENCY
SECURITY

MODEL TOWER

RATED POWER			MYRIA 10KVA	MYRIA 20KVA	MYRIA 30KVA	MYRIA 40KVA
CAPACITY	VA		10KVA	20KVA	30KVA	40KVA
	Watts	PF0.9	9KW	18KW	27KW	36KW
		PF1.0	10KW	20KW	30KW	40KW
INPUT						
Voltage (Vac)			80-280 (L-N)138-485 (L-L)		138-485 (L-L)	
Phase			3:3/3:1/1:1		3:3/3:1	
Power Factor			0.95			
Frequency (Hz)			50 ±10%			
THDi			<3%			
OUTPUT						
AC/AC Efficiency (Max.)			96%			
Power Factor			0.9 or 1.0 (Option)			
Voltage (Vac)			220/230/240±1% (L-N) 380/400/415±1% (L-L) 3P4W			
Frequency (Hz)			50/60±0.1%			
THDv			THD <2% (linear load), THD <4% (non-linear load)		THD <1% (linear load), THD <3% (non-linear load)	
Crest Factor			3:1			
Overload ¹			125% load for 15 min, 150% load for 1 min, >150% load: change to bypass immediately			
ECO Mode			Yes			
BATTERY						
Voltage (Vdc)			±96 default (±96~±240 adjustable)	±192 default (±144~±240 adjustable) ²		
Internal Battery			16~40 × 7AH/12V	24~40 × 7AH/12V	48~80 × 7AH/12V	
Charging Current (A)			4 (1-10 settable)		15 (1-20 settable)	
OTHER						
Communication Interface			RS485, EPO, dry-contact Optional: RS232, SNMP			
Display			LCD/Touch screen (Voltage Input, Output, Battery)			
Alarm			Low battery, abnormal AC input, UPS failure, etc.			
Protection			Low battery, overload, short-circuit and over temperature, etc.			
Degree of protection			IP20			
Noise (dB)			<55		<50	
Working Temperature (°C)			0~40			
Altitude			0 to 2,000 m at 100% load			
Relative Humidity			0 ~ 95%, no condensing			
Dimension (W×D×H)(mm)			250×755×880		300×785×1250	
Weight (kg)	with Battery		86 (16×7AH)	118.5 (32×7AH)	207 (64×7AH)	
	without Battery		50		85	

1. Test condition: PF=0.9

2. Capacity will derate to 75% when battery voltage between ±144~±180

- All specifications subject to change without notice.
- Custom-made specifications are acceptable.
- Manufactured by factory with
ISO 9001, ISO 14001, OHSMS 45001, CE, STANDARD



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TIS.1291 Part 3-2555