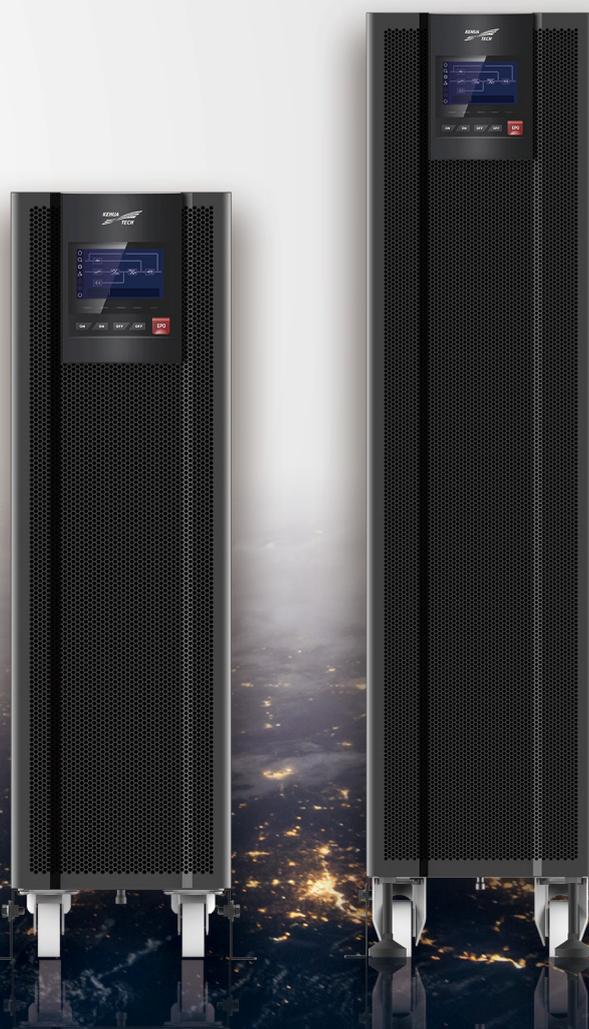


Myria Series

| 10~40kW |



Myria Series UPS



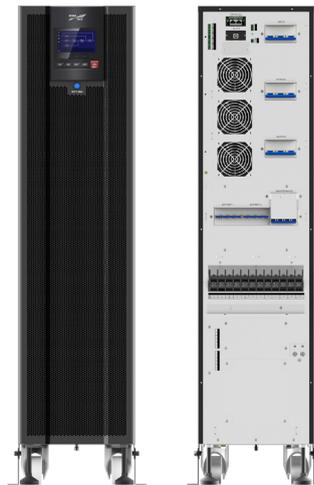
- » High density, small footprint
- » High Efficiency up to 96%
- » Output PF=1@40°C
- » Built in battery or transformer
- » 4.3 inch touch screen

Reliable and Flexible Uninterruptible Power Supply (UPS) for Lowest TCO and Highest Performance.

The MY10-40K is an efficient dual-conversion online UPS, easy to operate and maintenance, with built-in lead-acid battery or transformer inside, support different application requirements.



MY10-20



MY30-40

Typical Applications:



Telecom



Edge Application



Finance



Servers



Local Area Network



Security

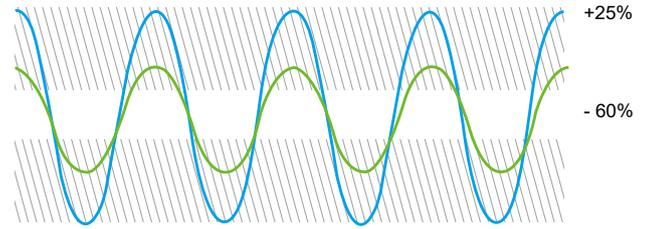


Medical Equipment



High Reliability

- **Wide input voltage** range -60% ~ 25% and **wide input frequency** range 40-70Hz with high grid adaptability and prolong battery life.
- The most advanced and dual DSP control prevents single failure point and increase performance.
- **High overload capacity** on inverter for 105% load long run and 130% load 10 mins and bypass 130% load long run.
- Intelligent fan control and redundant design which make sure the radiation of internal circuit and maximum fan life time.
- **Integrated with 5 breakers** (input, output, bypass, maintenance bypass and battery breaker) for better system protection.
- **Standard conformal coating** to all PCB boards, protect electronics from environmental affection and corrosion.
- **Standard dust filter** protect UPS placed in dusty environment.
- **Short circuit period time settable** from 20~200ms which provide high protection for system.
- **Lightning and surge protection** design which help UPS to sustain from high surge peak voltage.
- Local and remote EPO function NO/NC settable as standard for immediately remove power from connected load in the event of emergency.
- **Input phase sequence correction** function allow UPS keep running in inverter mode without shifting to battery.
- Battery reverse connection protection to make sure the system reliability.
- Cold start function allow UPS start on battery when grid isn't available.
- Bus synchronization control function provides reliable high power for dual bus application.
- **Dual input** design which supports utility input and bypass input can be connected as single source or separated source.
- No derating operate up to 40°C and continuously running under high ambient temperature up to 50°C with auto-derating.



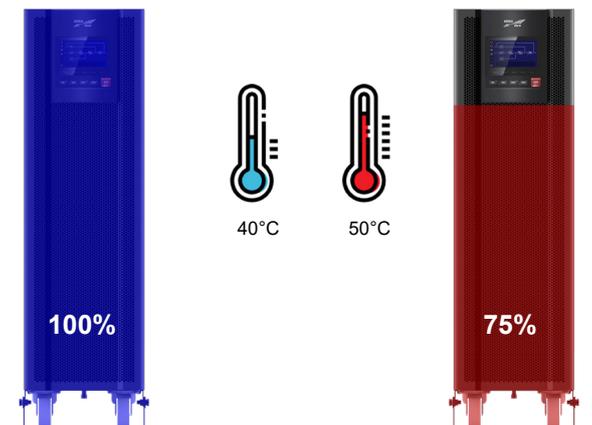
Wide input voltage range



Automatic fans control



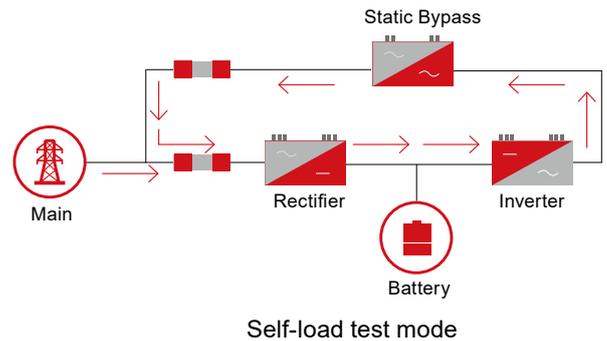
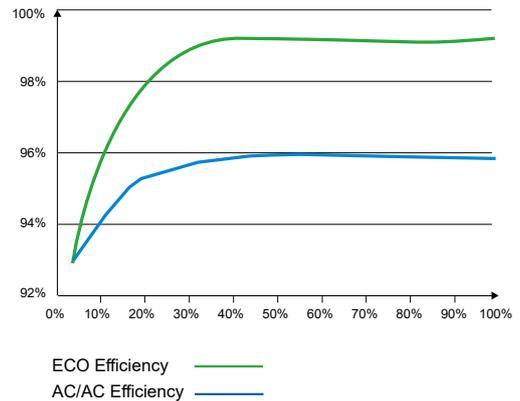
Short circuit time





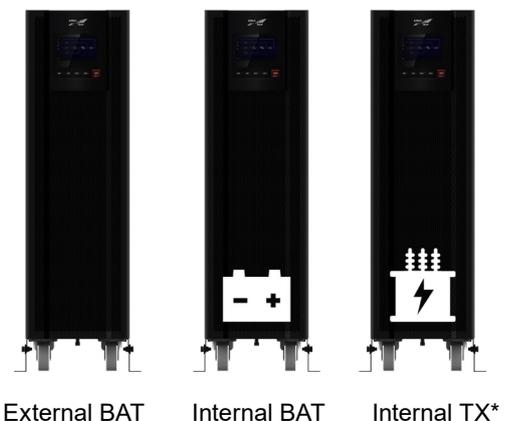
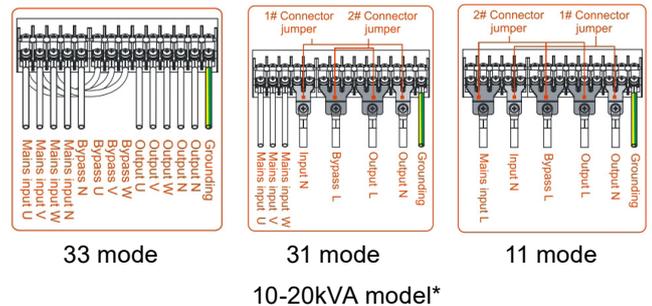
Green Power

- **Latest generation IGBT and three level technology**, low harmonic, high efficiency, effectively energy-saving.
- **High power density design**, which small footprint on 40kVA only 0.38m² for saving installation space.
- High input power factor up to 0.99 and **low input THDi: < 3.0%** at full load, much less grid pollution and costs.
- **AC/AC efficiency up to 96%** and 25% load up to 94% efficiency reduces heat dissipation and limits power consumption costs.
- **ECO mode efficiency up to 99%** lead to significant cost reduction.
- **Self-load test function**, easy debugging and easy onsite test during commissioning, before it is connected the real load, without using costly temporary loads, cabling and breakers for energy saving.



Flexible Design

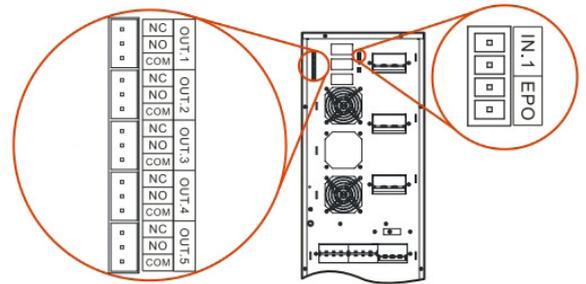
- **Adjustable input and output phase configuration** 3:3/3:1/1:1 for 10-20kVA and 3:3/3:1 for 30-40kVA with high flexibility to meet multiple power distribution condition (need jumper connector).
- **Integrated autonomy** with compact footprint and external battery slot for extend power outage, 10-20kVA could house up to 40 pcs battery and 30-40kVA could 80 pcs battery which **reduce installation cost**.
- **Optimize installation and easy service** architecture design minimizes the MTTR and optimizes serviceability and comes equipped with wheel which is easy for movement and relocation.
- **Parallel slot** design which allow up to 4 units parallel at site.
- **Full Galvanic Isolation**, isolation transformer can house inside the cabinet for full input or output isolation which suitable for medical and critical application; Internal sensor with temperature detection and alarm; Provide short circuit protection, restrain the high current puncture to UPS. no effects to the UPS output performance or reduced impact of the inverter power components whilst supplying specific loads.



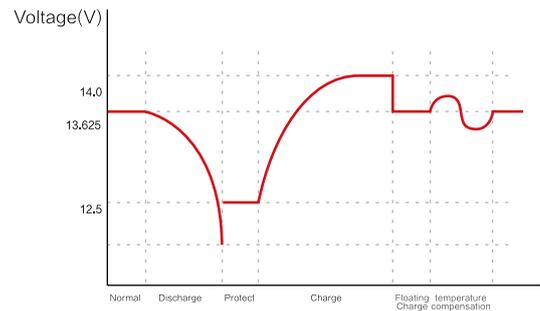
*Output TX for 3:3 and 3:1 different model

Intelligent Management

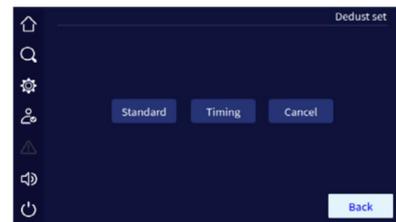
- Multiple method of communication which provide RS485, dry contact, SNMP together with Modbus protocol to compatible with most management system.
- Smart programmable dry contact which have 1 input dry contact and 5 output dry contact, which input dry contact have more than 6 functions and output dry contact have 13 functions allows to settable at site.
- **Super wide DC voltage** range and settable from ± 96 to ± 240 (16~40 pcs) for 10kVA **no derating** and $\pm 144 \sim \pm 240$ for 20~40kVA (24~40 pcs).
- Intelligent battery charging with 3 stage methods prolong the service life of batteries.
- **Battery Static delay** function provide better battery care, to prevent overcharging when battery is full. Battery have slow self-discharge even if the battery does not discharge to the load, the battery voltage will slowly decrease. UPS could set duration for days to recharge the battery as full level to make sure **maximum life time**.
- **Key components pre-alarm** function which pre-alarm the system fault and remind service for key components, like capacitor, fan.
- **Input phase sequence correction** function allow UPS keep running in inverter mode without shifting to battery.
- **Self-dedusting** function with manual and period settable which allow technician set the time duration for UPS to clean the dust itself for saving the preventive service time.
- Common or distributed battery bank on parallel mode.
- Frequency converter function (60Hz to 50Hz or 50Hz to 60Hz)



Programmable dry contact



Intelligent battery management



Self dedust function



Common battery bank



Frequency Converter Mode

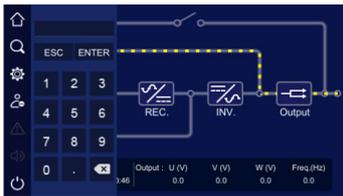


User-friendly Interface

- Colorful 4.3 inches touch screen with LED Indicators, ensure comprehensive and visualized information display.
- User-friendly double physical ON/OFF button design to avoid false operation.
- User-friendly graphical interface with single-line mimic diagram showing system status.
- Multi-language build-in display with Chinese, English, Spanish, Italian, French, Polish, Russian, Korean.
- High security access with separate password levels for users, technician and service engineers.
- Large data storage capacity, 10,000pcs events logs.
- Easy update for display firmware.



4.3 inches touch screen



Different level password



Record management



More Options

- Parallel kit
- SNMP Kit
- Expanded dry contact kit
- BMS/Protocol transfer kit for lithium battery
- Dust filter kit
- Jumper connector for phase changing
- Intelligent Battery Monitoring System
- LCD display
- Input/output isolation transformer
- Battery Cabinet B09
- Battery Charge Temperature Compensation Kit



Internal SNMP kit



External SNMP Kit



Protocol transfer kit



Parallel kit



Battery cabinet B09



Battery charge temperature compensation



Dry contact kit



Battery monitoring system

Technical Specification

MODEL	MY10	MY20	MY30	MY40
Capacity (kVA)	10	20	30	40
INPUT				
Voltage (Vac)	L-L:138-485 (305-485 at full load)			
Frequency (Hz)	40-70			
Power Factor	≥0.99			
THDi	≤3% (resistive full load), ≤5% (non-linear full load)			
Phase	3:3/3:1/1:1		3:3/3:1	
BYPASS				
Voltage (Vac)	±10%/±15%/±20% (default ±20%)			
Frequency (Hz)	+5%/10% (default+10%)			
Overload	130%: long term; 155%: 1min; above 155%: 200ms			
OUTPUT				
Voltage (Vac)	L-L: 380/400/415±1%			
Frequency (Hz)	50/60±0.1 (battery mode)			
Power Factor	1.0			
THDv	≤2% (resistive full load), ≤4% (non-linear full load)		≤1% (resistive full load), ≤4% (non-linear full load)	
AC/AC Efficiency (Max.)	96%			
Overload	105%: long term; 130%: 15min; 155%: 1min; 200%: 200ms			
Transfer Time (ms)	0 (Mains mode-Battery mode), ≤1ms (Mains mode-Bypass mode)			
Crest Factor	3:1			
BATTERY				
Battery Type	Lead-acid batteries			
Voltage (Vdc)	±96 (±96~±240 adjustable at full load)	±192 (±144~±240 adjustable, ±180~±240 at full load)		
Internal Battery	(±8~±20)*9AH/12V	(±12~±20)*9AH/12V	2*(±12~±20)*9AH/12V	
External Battery Module (EBM)	B09-240N-20-2B		B09-240N-40-2B	
EBM Battery	1~2*(16~40)*9AH/12V			
Charging Current (A)	1 (1-10 settable)		2 (1-20 settable)	
GENERAL				
Communication	RS485, EPO, Dry contact Optional: SNMP card, RS485+dry contact card			
Display	4.3" touch screen			
Noise (dB)	<55			
Working Temperature (°C)	-5~40			
Altitude (m)	2000			
Relative Humidity	0 ~ 95%, no condensation			
Protection Grade	IP20			
Agency/Certification/Conformance	EN IEC 62040-1, EN IEC 62040-2, EN 62040-3			
Dimension (W×D×H)(mm)	250×803×882		300×840×1250	
Weight (kg)	with Battery	95 (±8*9AH)	137.6 (±16*9AH)	249.7 (±32*9AH)
	without Battery	64		102.5
	with TX	128		222

● Specification is subject to change without prior notice.

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