

DATWYLER UPS - 1~3 kVA (1:1 Phase) Tower / Rack Mounted

OVERVIEW

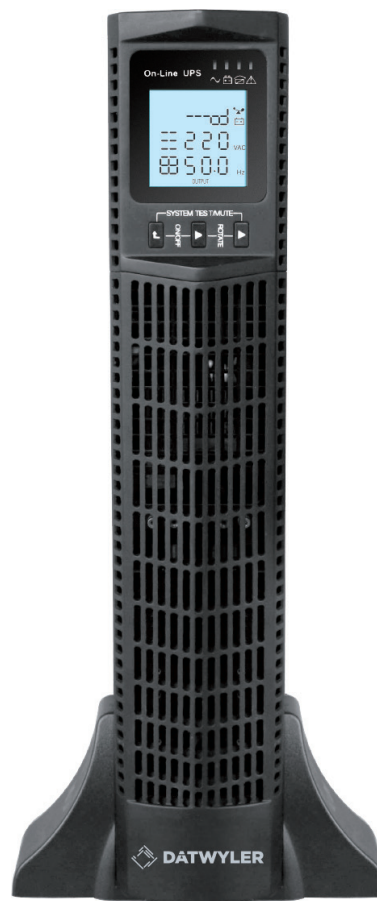
Datwyler's DUPS series is the small to medium power transformerless UPS. The series is designed to a high standard and can be improved based on client's technical and budget customization requirements.

APPLICATION

This Uninterruptible Power Supply (UPS) offers guaranteed power protection for connected electronics. When power is interrupted or fluctuates outside the safe levels, UPS will instantly provides a clean battery backup power and surge protection for connected and sensitive devices.

TECHNICAL FEATURES

- Tower / Rack convertible design
- Rotatable patented mini LCD display
- True online double conversion
- High output power factor at 0.9 pF
- Comprehensive display which allows easy monitoring and access of UPS status
- Smart SNMP works with either USB / RS-232
- Estimated remaining time displayed on the LCD
- Efficiency up to 90%
- Support Economic (ECO) operation mode
- Hot swappable battery pack
- Matching battery pack
- More powerful charger for option
- Cold start
- Power shedding may turn off uncritical load in battery backup
- Emergency power off system
- Frequency converter mode is settable



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Tower / Rack Mounted

SPECIFICATIONS

MODEL		40014640ZY	40014650ZY	40014700ZY
Capacity (VA/Watts)		1000 / 900	2000 / 1800	3000 / 2700
Phase		Single phase with ground		
Input				
Nominal voltage		200/208/220/230/240 VAC or 100/110/115/120/127 VAC		
Input voltage range		55~150 VAC or 110~300VAC @ 60% load, 80~145 VAC or 160~300 VAC @ 100% load		
Frequency range		45~55 Hz / 55~65 Hz (Auto-detect)		
Power factor		≥0.99 @ nominal voltage (100% load)		
OUTPUT				
Output voltage		200/208/220/230/240 VAC or 100/110/115/120/127 VAC		
Power factor		0.9 pF		
Voltage regulation		±1%		
Frequency range (Synchronized range)		45 ~ 55Hz / 56 ~ 64Hz		
Frequency range (Batt. mode)		50Hz / 60Hz ± 0.1Hz		
Current crest ratio		3:1		
Harmonic distortion		≤3% THD (Linear load) ≤6% THD (Non-linear load)		
Transfer time	AC to DC	Zero		
	Inverter to bypass	4ms (Typical)		
Waveform		Pure sine wave		
EFFICIENCY				
AC mode		90%	91%	91%
Battery mode		85%	88%	86%
BATTERY (Internal)				
Standard model	Battery type	Lead acid 12V/9AH		
	Numbers	2	4	6
	Backup time	3.3 minutes		
	Typical recharging time	4 hours recover to 90% capacity		
	Charging current (max.)	1.0A		
	Charging voltage	27.4 VDC ± 1% / 41.1VDC ± 1%	54.7 VDC ± 1% / 82.1 VDC ± 1%	82.1 VDC ± 1%
Physical	Dimension, D×W×H(mm)	94x151x65	94x151x65	94x151x65
	Net weight(kgs)	5	10	15
ALARM				
Battery mode		Beeping every 4 seconds		
Battery low		Beeping every second		
Overload		Beeping twice every second		
Fault		Continuously beeping		
PHYSICAL				
Standard model	Dimension, D×W×H(mm)	430×440×86.5	552 × 440 × 86.5	710×440×86.5
	Net weight(kgs)	8.9	10.1	12
ENVIRONMENT				
Humidity		20-90% RH @ 0-40°C (Non-condensing)		
Noise level		<50dB @ 1 Meter		
MANAGEMENT				
LCD		Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators		
Smart RS-232 / USB		Supports Windows® 2000 / 2003 / XP / Vista / 2008 Windows® 7 / 8 Linux, FreeBSD and MAC		
Optional SNMP		Power management from SNMP manager and web browser		

Packaging dimension differ based on actuals or customised packing requests.

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EXTERNAL BATTERY			
MODEL	40015000ZY	40015100ZY	40015200ZY
Installation	Tower or/2U Rack Mounted		
Battery type	12V/9AH		
Number of Batteries	4 Pcs	8 Pcs	12 Pcs
Supporting UPS	1kVa	2kVa	3kVa
Back up Time* (Minutes)	15		

* For more backup time , Please refer to backup time configuration sheet for more details

Ordering Information:

Article	Item Description
40014640ZY	1 kVA Online UPS, Rotable LCD screen, I/O Single Phase 230V, Built in 2X9AH Batteries, (2 Years Warranty)
40014650ZY	2 kVA Online UPS, Rotable LCD screen, I/O Single Phase 230V, Built in 4X9AH Batteries, (2 Years Warranty)
40014700ZY	3 kVA Online UPS, Rotable LCD screen, I/O Single Phase 230V, Built in 6X9AH Batteries, (2 Years Warranty)
40015500ZY	Rail Kit for 1, 2 & 3 kVA UPS.
40015700ZY	SNMP Card for(1-3 kVA) UPS, USB & RS-232 ports.
40015000ZY	1 kVA Battery Back Module, Tower or/2U Rack Mounted (Additional Accessories)with Built in 4 X12V/9AH batteries for (15 Minutes), (1 Year Warranty)
40015100ZY	2kVA Battery Back Module, Tower or/2U Rack Mounted (Additional Accessories)with Built in 8 X12V/9AH batteries for (15 Minutes), (1 Year Warranty)
40015200ZY	3kVA Battery Back Module, Tower or/2U Rack Mounted (Additional Accessories)with Built in 12 X12V/9AH batteries for (15 Minutes), (1 Year Warranty)

Packaging dimension differ based on actuals or customised packing requests.