

# Wadi

Tower 3P IN / 3P OUT  
30/40/60 kVA



ONLINE UPS



- True double-conversion topology
- High reliability for critical applications
- Advanced DSP control technology
- Output power factor 1.0
- Active Power Factor Correction (PFC)
- Stable and efficient power delivery
- Generator compatibility
- Maintenance bypass
- Optional parallel operation
- 50/60 Hz frequency conversion
- Adjustable battery quantity (long-run support)
- 3-stage extendable battery charger
- EPO (Emergency Power Off)
- Communication interfaces (SNMP, USB, RS-232)
- ECO mode
- Optional isolation transformer

## Wadi 3P IN / 3P OUT 30/40/60 KVA

MODEL	Wadi 30K-L3PT	Wadi 40K-L3PT	Wadi 60K-L3PT	
PHASE	3 Phase IN / 3 Phase OUT			
CAPACITY	30KVA / 30KW	40KVA / 40KW	60KVA / 60KW	
PARALLEL CAPACITY	4			
<b>INPUT</b>				
Nominal Voltage	3 x 380/400/415 VAC (3Ph+N)			
Voltage Range	190-520 VAC (3-phase) @ 50% Load; 305-478 VAC (3-phase) @ 100% load			
Frequency Range	46-54 Hz or 56-64Hz			
Power Factor	≥ 0.99 @ 100% Load			
<b>OUTPUT</b>				
Output Voltage	3 x 380/400/415 VAC (3Ph+N)			
AC Voltage Regulation (Batt. Mode)	± 1%			
Frequency Range (Synchronized Range)	46-54Hz or 56-64Hz			
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz			
Current Crest Ratio	3:1 (max.)			
Harmonic Distortion	≤ 2% THD (Linear Load); ≤ 5 % THD (Non-linear Load)			
Transfer Time	AC Mode to Batt. Mode	Zero		
	Inverter to Bypass	Zero		
Waveform (Batt. Mode)	Pure Sine Wave			
Overload Capability	AC Mode	100-110% for 60 min, 110-125% for 10 min, 125%-150% 1min, >150% immediately		
	Battery Mode	100-110% for 60 min, 110-125% for 10 min, 125%-150% 1min, >150% immediately		
<b>BYPASS</b>				
Nominal Voltage	3 x 380/400/415 VAC (3Ph+N)			
Voltage Range	305VAC~457VAC			
Frequency Range (Synchronized Range)	46-54Hz or 56-64HZ			
Overload Capability	>130%:1 minute (default), continuously working until breaker protection (optional)			
<b>EFFICIENCY</b>				
AC Mode	95.5%			
ECO Mode	98.5%			
Battery Mode	94.5%			
<b>BATTERY</b>				
Standard Model	Battery Type	12V/7Ah	12V/9Ah	
	Numbers	(16+16) pcs x 2 strings	(16+16) pcs x 2 strings	
	Typical Recharge Time	9 hours recover to 90% capacity		
	Charging Current (max.)	2A (Default)		
	Charging Voltage	± 218 VDC		
Long-run Model	Battery Type	Depending on the capacity of external batteries		
	Numbers	±16 ~± 20 (Adjustable)		
	Typical Recharge Time			
	Charging Current (max.)	±16 ~±20 (Adjustable)	1A~18A(Adjustable)	
	Charging Voltage	± 13.65V x N (N = 16 ~ 20)		
<b>INDICATORS</b>				
LCD Panel	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions			
<b>PHYSICAL</b>				
Standard Model	Dimension, D x W x H (mm)	815 x 300 x 1000	815 x 300 x 1000	
	Net Weight (kgs)	207	233	
Long-run Model	Dimension, D x W x H (mm)	815 x 300 x 1000	815 x 300 x 1000	
	Net Weight (kgs)	55	56	
<b>ENVIRONMENT</b>				
Operation Temperature	0-40°C			
Operation Humidity	< 95% and non-condensing			
Noise Level	Less than 65 dB @ 1 Meter	Less than 70 dB @ 1 Meter		
<b>MANAGEMENT</b>				
Smart RS-232 / USB	Supports Windows® Family, Linux and MAC			
Optional SNMP	Power management from SNMP manager and web browser			

Product specifications are subject to change without further notice.