

# Obelisk

## Wadi 1P IN / 1P OUT

### 1/1.5/2/3 kVA



- True double-conversion topology
- High Efficiency Rating: 92% (1kVA), 93% (2kVA), and 94% (3kVA)
- Microprocessor Control: Optimizes system reliability
- Input Power Factor Correction: 0.99
- Unity Output Power Factor: 1.0 (Delivers more real power)
- Frequency Converter Mode: Supports 50Hz or 60Hz
- Wide Input Voltage Range: 110 V – 300 V
- ECO Mode: Enhanced energy-saving operation
- Smart Battery Charger: Designed to optimize battery performance and lifespan
- User Interface: Comprehensive display for easy monitoring and UPS status access
- Connectivity: SNMP, USB, and RS-232 communication ports
- Generator Compatible: Seamless integration with backup generators

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MODEL	Wadi 1K-S1PT	Wadi 1.5K-S1PT	Wadi 2K-S1PT	Wadi 3K-S1PT
PHASE	Single Phase with Ground			
CAPACITY	1KVA / 1KW	1.5KVA / 1.5KW	2KVA / 2KW	3KVA / 3KW
<b>INPUT</b>				
Nominal Voltage	200*/208*/220/230/240 VAC			
Input Voltage Range	110 ~ 300 VAC (Based on Load at 50%); 160 ~ 300 VAC (Based on Load at 100%)			
Frequency Range	40 Hz ~ 70 Hz			
Power Factor	≥ 0.99 @ nominal voltage (100% Load)			
THDI	≤ 5% @ nominal voltage (100% Load)			
<b>OUTPUT</b>				
Output Voltage	200*/208*/220/230/240 VAC			
AC Voltage Regulation (Batt. Mode)	± 1 %			
Frequency Range (Synchronized Range)	47 ~ 53 Hz or 57 ~ 63 Hz			
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz (60Hz ± 0.1 Hz)			
Current Crest Ratio	3:1			
Harmonic Distortion	≤ 2 % THD (Linear Load); ≤ 5 % THD (Non-linear Load)			
Transfer Time	AC Mode to Batt. Mode	Zero		
	Inverter to Bypass	4 ms (Typical)		
	ECO to Battery mode	8 ms (Typical), 10 ms(max)		
Waveform (Batt. Mode)	Pure Sinewave			
<b>EFFICIENCY</b>				
AC Mode @ full charged battery	96%	97%	97%	97%
ECO mode @ full charged battery	92%	92%	93%	94%
Battery Mode	86%	89%	88%	91%
<b>BATTERY</b>				
Battery Type	12V/9Ah	12V/9Ah	12V/9Ah	12V/9Ah
Numbers	2	3	4	6
Typical Recharge Time	4 hours recover to 90% capacity for internal battery			
Charging Current	1.5 A			
Charging Voltage	27.4 VDC ± 1%	41.0 VDC ± 1%	54.8 VDC ± 1%	82.2 VDC ± 1%
<b>INDICATORS</b>				
LCD Panel	Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicator Via LCD			
<b>PHYSICAL</b>				
Dimension, D x W x H (mm)	282 x 145 x 220	397 x 145 x 220	397 x 145 x 220	421 x 190 x 318
Net Weight (kgs)	9.8	11.4	13.5	26.2
<b>ENVIRONMENT</b>				
Humidity	20-90 % RH @ 0 - 50°C (non-condensing)			
Noise Level	Less than 50dBA @ 1 Meter with Fan speed control			
<b>MANAGEMENT</b>				
Smart RS-232 / USB	Supports Windows® Family, Linux and MAC			
Optional SNMP	Power management from SNMP manager and web browser			
<b>STANDARD</b>				
EMC/Safety	CE (EMC: EN62040-2 C2)			

Product specifications are subject to change without further notice.

[www.powerwadi.com](http://www.powerwadi.com)