

**Wadi**  
Tower 1P IN / 1P OUT  
6/10 kVA



- True double-conversion topology
- High reliability for critical applications
- Advanced DSP control technology
- Output power factor 1.0
- Active Power Factor Correction (PFC)
- Output voltage selectable: 208 / 220 / 230 / 240 Vac
- 50/60 Hz frequency conversion
- Adjustable battery quantity (long-run support)
- Environmentally Green & Safe
- EPO (Emergency Power Off)
- Communication interfaces (SNMP, USB, RS-232)
- ECO mode
- Flexible battery configuration: 16 – 20 batteries

**Obelisk Tower 1P IN / 1P OUT 6/10 KVA**

MODEL		Wadi III 6K-S1PT (6K-L1PT)	Wadi III 10K-S1PT (10K-L1PT)
PHASE		1 Phase IN / 1 Phase OUT	
CAPACITY		6KVA / 6KW	10KVA / 10KW
<b>INPUT</b>			
Voltage Range		110-300VAC 3 % at 60% load 176-300VAC ± 3 % at 100% load	
Nominal Voltage		208/220/230/240 VAC	
Frequency Range		46--54 Hz or 56--64 Hz 40 70 Hz (In generator mode)	
Power Factor		0.99 @full load <4 @100% Load	
<b>OUTPUT</b>			
Output Voltage		208%220/230/240 VAC	
AC Voltage Regulation (Batt. Mode)		± 1%	
Frequency Range (Synchronized Range)		50 Hz on Hz or 60 Hz 0.1 Hz	
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 Inverter to Bypass	Zero Zero
Waveform (Batt. Mode)		Pure Sine Wave	
Overload Capability		AC Mode Battery Mode	100-110% for 60 min, 110-125% for 10 mint 12536-150% 1 min, transfer to bypass 100-110% for 3 min, 110-130% for 30s immediately
<b>EFFICIENCY</b>			
AC Mode		95%	
Battery Mode		92%	
<b>BATTERY</b>			
Standard Model	Battery Type	12V/7Ah	12V/9Ah
	Numbers	16	20
	Typical Recharge Time	7 hours recover to 90% capacity	
Long-run Model	Charging Current (max.)	1 A	
	Charging Voltage	218.4 VDC ± 1%	273 VDC ± 1%
	Battery Type	Depending on the capacity of external batteries	
Numbers		±16 ~± 20 (Adjustable)	
Charging Current (max.)		2A (Default) .1A/2A/4A/6A/8A adjustable	
Charging Voltage		± 13.65V x N (N = 16 ~ 20)	
<b>PHYSICAL</b>			
Standard Model	Dimension, D x W x H (mm)	369 x 190 x 688	442 x 190 x 688
	Net Weight (kgs)	55	74
Long-run Model	Dimension, D x W x H (mm)	369 x 190 x 318	
	Net Weight (kgs)	14	15
<b>ENVIRONMENT</b>			
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		supports Windows @ 2000/2003/XP/Vista/2008, Windows@7/8, Linux and MAC	

Product specifications are subject to change without further notice.

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