

**Wadi**  
RT 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 RT 1P IN / 1P OUT 6/10 KVA**

MODEL	Wadi 6K-L1PRT	Wadi 10K-L1PRT
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	100-110% for 60 min, 110-125% for 10 mint 12536-150% 1 min, transfer to bypass
	Battery Mode	100-110% for 3 min, 110-130% for 30s immediately
<b>EFFICIENCY</b>		
AC Mode	95%	
Battery Mode	92%	
<b>BATTERY</b>		
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	(13.65VDC x battery number) ± 1%	
<b>PHYSICAL</b>		
Dimension, D x W x H (mm)	509 x 438 x 88 (2U)	
Net Weight (kgs)	11	12.1
<b>ENVIRONMENT</b>		
Operation Humidity	20-95 % RH @ 40 C Non-Condensing	
Noise Level	Less than 55 dB @ 1 Meter	Less than 58 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)