

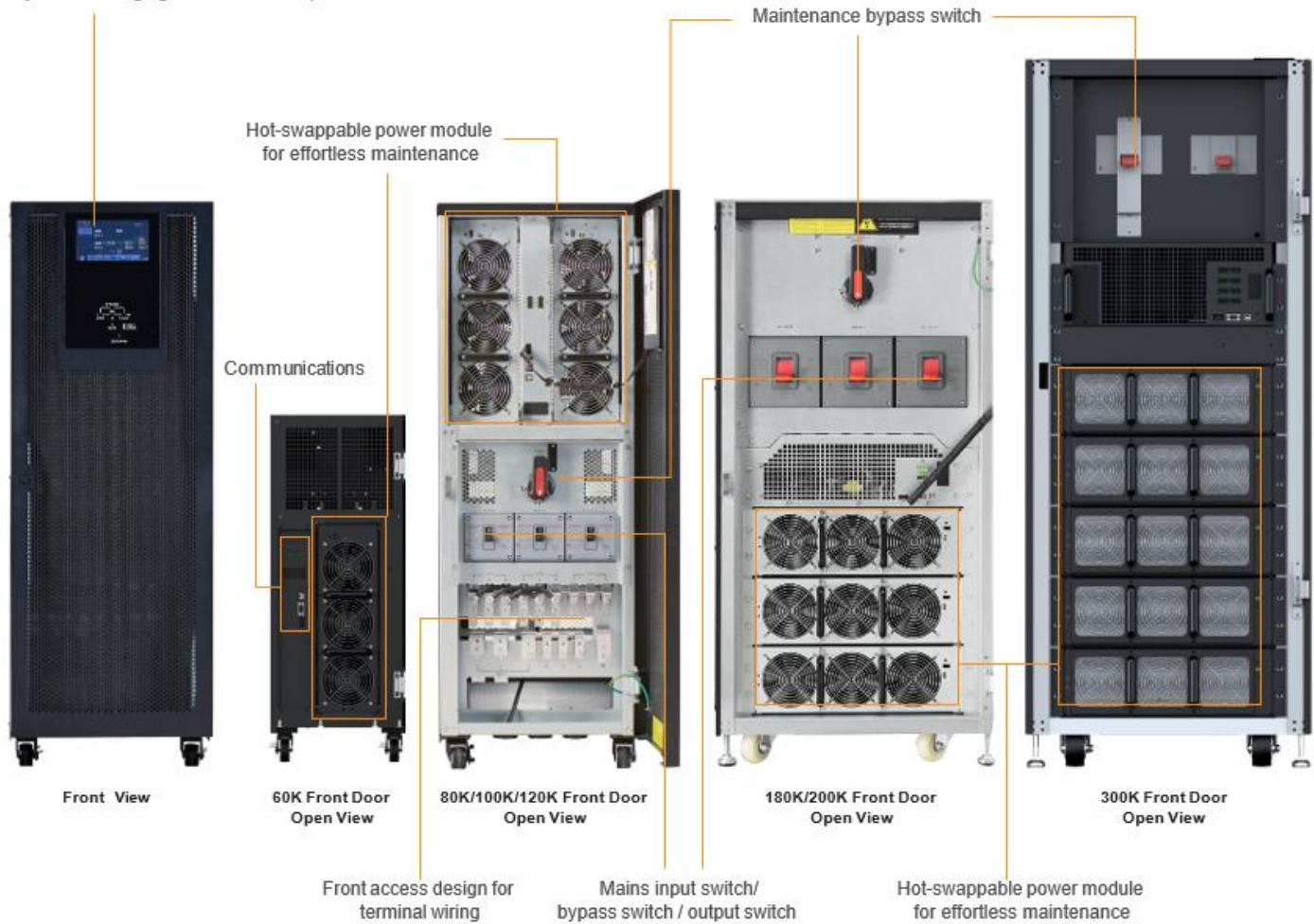
Wadi Beams

3P IN / 3P OUT

80/100/120 KVA

7" touch LCD screen

- Dynamic password optimizes service performance
- Adjustable charging current via LCD panel



Wadi Beams 3P IN / 3P OUT 80/100/120 KVA



- True double-conversion topology
- Built-in back feed protection
- Individual power module ON/OFF control via LCD panel
- Pluggable, front-access power module design to reduce MTTR and ensure high availability through parallel redundancy
- Parallel operation of up to 4 units with a common battery system
- Dual mains input for enhanced reliability
- Integrated four-switch system: mains input, bypass input, output, and maintenance bypass
- Maintenance bypass
- Flexible battery configuration with adjustable charging current
- 50/60 Hz frequency conversion
- Emergency Power Off (EPO) function
- 3-stage extendable battery charger
- EPO (Emergency Power Off)
- Communication interfaces (SNMP, USB, RS-232)
- Compatible with Lithium-ion battery systems

Obelisk Beams 3P IN / 3P OUT 80/100/120 KVA

MODEL	Wadi Beams 80K-L3PT	Wadi Beams 100K-L3PT	Wadi Beams 120K-L3PT
PHASE	3 Phase IN / 3 Phase OUT		
CAPACITY	80KVA / 80KW	100KVA / 100KW	120KVA / 120KW
PARALLEL CAPACITY	4		
INPUT			
Nominal Voltage	3 x 380/400/415 VAC (3Ph+N)		
Voltage Range	110-300 VAC @ 50% load; 190-276 VAC load	110-300 VAC @ load; 184-276 VAC load	
Frequency Range	40Hz -70Hz		
Power Factor	≥ 0.99 @ 100% Load		
Harmonic Distortion (THDi)	@ 100% load		
OUTPUT			
Output Voltage	3 x 380/400/415 VAC (3Ph+N)		
AC Voltage Regulation (Batt. Mode)	\$ ± 1% Typical (balanced load) \$ ± 2% Typical (unbalanced load)		
Frequency	50/60Hz		
Frequency Range (Batt. Mode)	46Hz 54Hz or 56Hz 64Hz		
Harmonic Distortion	≤ 2% THD (Linear Load); ≤ 4 % 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	S 110% for 1 hour, 111% 125% for 10 mins, for 1 min and for 200ms	
	Battery Mode	100-110% for 60 min, 110-125% for 10 min, 125%~150% 1min, >150% immediately	
BYPASS			
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)		
EFFICIENCY			
AC Mode	96%	95.5%	
ECO Mode	99%	98.5%	
Battery Mode	95.5%	94.5%	
BATTERY			
Nominal Voltage	+/- 192V - +1- 240V (Selectable)		
Maximum Voltage	+/- 240V (12V x 40 Pcs)		
Minimum Voltage	+/- 192V (12V x 32 Pcs)		
Floating Charge Voltage	2.28V / Cell (2.25 -2.33 Selectable)		
Boost Charging Voltage	2.35V/Cell		
Temperature Compensation	Yes		
Maximum Charging Current	18A (Adjustable)	24A (Adjustable)	36A (Adjustable)
INDICATORS			
LCD Panel	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions		
PHYSICAL			
Dimension, D x W x H (mm)	1000 x430x1200	1000 x430x1200	1000 x430x1200
Net Weight (kgs)	125	169	169
ENVIRONMENT			
Operation Temperature	0-40°C		
Operation Humidity	< 95% and non-condensing		
MANAGEMENT			
Smart RS-232 / USB	Supports Windows® Family, Linux and MAC		
Optional SNMP	Power management from SNMP manager and web browser		
STANDARDS			
Safety	IEC/EN 62040-1		
EMC	IEC/EN 62040-2 Category C3		

Product specifications are subject to change without further notice.

www.powerwadi.com