

## 7.5 - 15 kVA Specifications

### Input

Input for rectifier	380/220V: 400/230V or 415/240V
Input for bypass	380/220V: 400/230V or 415/240V
Voltage range	294/170V - 478/276V
Frequency	50/60 Hz
Power Factor	0.96
Efficiency	94% (online) 99% (Efficiency Optimiser™)

### Output

Voltage	380/220V: 400/230V or 415/240V ±1% field selectable
Frequency	50/60 Hz ±0.5 ±1.0 or ±2.0 Hz selectable synchronized to mains ±0.005 Hz free running, slew rate 1Hz/sec.
Dynamic response	±5% at 100% load change response time 1ms to steady state
Voltage distortion	<2% THD on linear load <5% THD on nonlinear load
Overload capacity	150% 30 sec. on inverter

### Battery

Type	Sealed lead-acid batteries
Back-up time	typical 7-18 min at full load
Recharge time	<5 hr up to 90% capacity
Battery management	ABM™ Technology (Advanced Battery Management™)
Battery Test	DC Expert™

### Control Features

User interface	Monitoring panel with LEDs: UPS on, Line on, Battery operation Bypassed, Overload, Over temperature, Service required Load bar and Audible alarm
Remote interface	2 pcs RS232 ports - one with modem interface Voltage free relays: Line failure, Low battery, Bypass and Alarm Emergency power off - input, Building alarm signal - inputs

### Environmental

Temperature	0-40°C, recommended 15-25°C
Humidity	5-90% RH non-condensing
Ventilation	Fan cooling, temperature µP monitored
Audible noise	<50dB(A) at 1 metre
Safety	EN50091-1
EMC	EN50091-2 (IEC801)
Protection class	IP20S

Weight (kg) PWPM7.5 175/215\* PWPM10 175/215\* PWPM15 215

Dimensions WxDxH (mm) 400x750x700

### Software

-LanSafe III with Cross Platform shutdown  
-PowerVision monitoring compatible  
-PowerCare&REG  
-Sentinel - FORS  
(Full Online Remote Service) compatible

### Options

-External Battery Cabinets  
-10 year batteries  
-Remote Status Panel  
-Isolation transformer  
-LanQuattro  
-Alarm Extension Unit  
-ConnectUPS SNMP adapter  
-External LCD Panel

**Battery Run Times**  
**With various computer loads Powerware Prime 7.5 - 15 kVA models.**  
**Standard batteries 48 pcs in series**

Load															
config	1 kVA	2 kVA	3 kVA	4 kVA	5 kVA	6 kVA	7 kVA	7.5 kVA	8 kVA	9 kVA	10 kVA	11 kVA	12 kVA	14 kVA	15 kVA
UPS	170 min	85 min	55 min	40 min	30 min	24 min	20 min	18 min	17 min	15 min	13 min	11 min	10 min	8 min	7 min
UPS + BAT-A	7h	3,5h	130 min	95 min	72 min	60 min	50 min	44 min	40 min	35 min	30 min	28 min	25 min	20 min	18 min
UPS + BAT-B	11h	6h	3,5h	160 min	125 min	100 min	82 min	74 min	70 min	60 min	50 min	46 min	40 min	35 min	30 min
UPS + BAT-A + BAT-B	17h	8,5h	5,5h	4h	180 min	140 min	120 min	107 min	100 min	88 min	75 min	68 min	60 min	50 min	45 min
UPS + 2 * BAT-B	22h	11h	7h	5h	4h	180 min	150 min	142 min	135 min	120 min	100 min	90 min	80 min	65 min	60 min
UPS + 2 * BAT-B + BAT-A	28h	14h	9h	6,5h	5h	4h	200 min	180 min	170 min	145 min	130 min	110 min	100 min	80 min	75 min
UPS + 3 * BAT-B	35h	17h	11h	8h	6h	5h	4h	220 min	210 min	180 min	160 min	140 min	120 min	100 min	90 min