



The Defender range uses Automatic Voltage Regulation (AVR) to minimise the effects of fluctuations in input voltage protecting your valuable equipment from power line disturbances.

The stylish LCD display, user replaceable batteries and Australian sockets makes the Defender the complete package at this level.

applications include:

- personal computers
- home office equipment
- work stations
- network devices
- telephone equipment
- point of sale equipment
- home theatre (no fan)



Defender Range



features

- Stylish and informative LCD display
- Surge Protection, Best in it's Class
- Excellent microprocessor control guarantees high reliability
- Australian outlet sockets for UPS and Surge protection
- Buck and boost AVR for voltage stabilization
- User replaceable batteries
- Silent operation (no fans included)
- Auto restart when AC returns
- Off-mode charging
- Cold start function
- USB communication with sophisticated NetGuard® software
- Free download software included

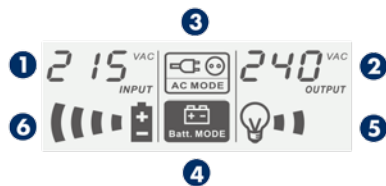
THE AUSTRALIAN UPS COMPANY



DEFENDER UPS

Model	PSD650	PSD1200	PSD1600
Capacity	650VA / 390W	1200VA / 720W	1600VA / 960W
Topology	Line Interactive		
INPUT			
Voltage	240Vac (Nominal)		
Voltage Range	177-290Vac		
Frequency Range	50/60Hz ±5Hz (Auto sensing)		
OUTPUT			
Output Voltage	240Vac ±10%		
Frequency	AC mode tracks utility		
Frequency Range (Batt. Mode)	50Hz or 60Hz ±1Hz		
Transfer Time	6ms (Typical)		
Waveform (Batt. Mode)	Simulated Sine Wave		
Australian Outlets - UPS & Surge Protection	2	3	
Australian Outlets - Surge Protection	0	3	
BATTERY			
Battery Type & Number	12V*9AH (x1)	12V* 7AH (x2)	12V* 9AH (x2)
Typical Recharge Time	6 hours recovery to 90% capacity		
Backup Time (50% Load)	6min	13min	10min
PROTECTION			
Full Protection	Overload, discharge, thermal, short circuit and overcharge protection		
Surge Protection	312Joules / 6500 Amps	936Joules / 19500Amps	
COMMUNICATIONS & MANAGEMENT			
Interface	USB Interface		
Software	NetGuard® supports Windows® Linux, Unix & MAC (Free Download)		
LCD Alarm	AC Mode, Battery Mode, Low Battery (Batt. Mode), Fault, Overload		
Audible Alarm	Battery Mode, Low Battery (Batt. Mode), Fault, Overload		
PHYSICAL			
Dimensions (D x W x H)	(328 x 100 x 145)mm	(397 x 146 x 205)mm	
Net Weight	5.2kg	11.1kg	11.5kg
OPERATING ENVIRONMENT			
Temperature	0 - 40°C		
Humidity	0 - 90% (RH Non-condensing)		
Noise Level	<5dB (no fan)		
COMPLIANCE			
Safety/EMC	(A-tick PSD650) EN62040-1-1 2003 , IEC60950-1 : 2001 , EN62040-2 2006		
RoHS	Directive 2011 / 65 / EU		

*All specifications are subject to change without notice



Smart LCD
 1. Input Voltage
 2. Output Voltage
 3. AC mode indicator
 4. Battery mode indicator
 5. Load level indicator, flashing indicates overload
 6. Battery capacity indicator, flashing indicates low battery level



PSD650



PSD1200
PSD1600

PowerShield®

www.powershield.com.au

