

PRO-SOURCE 1500 Specifications

General Features:

- Smart backup time estimation
- Adjustable output voltage
- Generator compatible
- Automatic restart of load after UPS shutdown
- Smart AVR function (Two buck / boost modes)
- Cold-start capable
- Audible alarm
- Full function of LCD display
- Smart battery management
- Intelligent double stages of charging control

OUTPUT

Power Levels at nominal inputs	1440VA / 900W (1500VA with optional NEMA5-20P power cord)
Output Voltage	100V/110V/115V/120V Selectable
Voltage Waveform	Pure Sine wave
Crest Factor	3:1
Output Frequency (Synchronized to Mains)	Auto Select for 50/60Hz 47Hz ~ 55Hz for 50Hz nominal; 56Hz ~ 65Hz for 60Hz nominal
Regulation (AC mode)	±5% of selected output voltage
Regulation (Batt. mode)	±3% of selected output voltage
Transfer time	Blackout 3ms typical; Brownout 1ms; Battery mode to Normal mode: 1ms typical
Over current protection	Over load alarm level ~ 120%, Over load shutdown level ~ 150%

INPUT

Input Voltage Range	-20% ~ +24% for selected output voltage
Input Frequency	47Hz ~ 65Hz, 50/60Hz auto-sensing
Efficiency	97% (Normal mode)
Noise Filtering	Full time EMI/RFI filtering
Over current protection	by re-settable circuit breaker
AVR Range (2 Bucks, 2 Boosts)	Enhanced Buck: +15% of selected nominal voltage Buck mode: +5% of selected nominal voltage Boost mode: -5% of selected nominal voltage Enhanced Boost: -12.5% of selected nominal voltage
Surge Protection	Yes

BATTERY

Battery type	Maintenance-free sealed, valve-regulated, Lead-Acid 12V, 7Ah (Qty 3)
Typical backup time at half-load	12 minutes
Typical backup time at full load	3 minutes
Charging method	Smart pulse charging with two charging modes: Quick charging when battery is not fully charged, trickle charging when battery is 90% fully charged.
Charging time	Less than 3 hours to 90% at normal line and normal temperature
Charging current	2A (Average)
Average charging voltage for each battery	Quick charging mode: 14V maximum. Trickle charging mode: ~13.4V
Protection	Over current protection & Over charging voltage protection (SCR control) Thermal protection (CPU control): When temperature inside UPS is over 45° C, charger will stop charging for 2.5 minutes followed by an 1.5 minutes charging. The cycle will be repeated until the temperature is lower than 44° C.
Monitoring	Smart monitoring & warning for failed battery or open-circuit battery. Auto-detection each time when power on or every 6 days.

COMMUNICATIONS & MANAGEMENT	
Standard Interface port	UPSilon 2000 compatible. USB Port
Control panel.	LCD Display
Audible alarm	Alarm on battery : Low battery & Battery over voltage Alarm on abnormal operation : Over load, Short-circuit, & Over heat
EBT (Estimation of Backup Time) system	LCD display & UPSilon 2000 software
Green mode function (Auto-shutdown during blackout)	1% to 9% of full load (adjustable through the LCD display) The default setting is OFF.
ENVIRONMENTAL AND SAFETY	
Transit/storage Temp.	-15° C to 55° C (5° F to 131° F)
Relative Humidity	5 - 95% non condensing
Operating Altitude	0 ~ 3000 meters
Audible noise	20-40 dBA (at 1M from surface of unit)
Safety Markings	UL, CUL, BSMI, CE
EMC	FCC Part 15 B, CISPR 22 Class B, EN50091-2, IEC1000-2-2
PHYSICAL	
Dimensions (DxHxW)	17.7 x 7.9 x 7.1 (in)
Weight	46.3 lbs
Outlets	NEMA 5-15 (Qty 6)



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Reviews, specifications, and pricing available on website.

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