



**PB RHINO-L 48Vdc**  
**PURE SINE WAVE INVERTER**

Model	RHINO 600-48L	RHINO 1000-48L	RHINO 1500-48L	RHINO 2000-48L	RHINO 2500-48L	RHINO 3000-48L	RHINO 4000-48L
<b>AC Output</b>							
AC Voltage (VAC)	220 / 230 / 240 VAC						
Rated Power (W)	600 W	1000 W	1500 W	2000 W	2500 W	3000 W	4000 W
Surge Power (%)	Load 120~150%(3min.); 200% (3sec;resistive)						
Waveform	Pure Sine Wave (THD<3%)						
Frequency	50/60Hz ±0.05%						
AC Regulation	±10%						
Power Factor Allowed	COSφ-90° ~ COSφ+90°						
Standard Receptacles	British / French / Schuko /UK / Australia/Universal etc. optional						
LED Indicator	Green for power on, Red for faulty status						
USB port	5V 2.1A						
LCD display(Optional)	Built-in LCD Display: voltage, power, protection status						
Remote controller (Optional)	NO REMOTE FUNCTIONS						
<b>DC Output</b>							
No Load Current Draw (A)	≤ 0.6 A	≤ 0.8 A	≤ 1.1 A	≤ 1.1 A	≤ 1.2 A	≤ 1.2 A	≤ 1.4 A
DC Voltage (VDC)	48 VDC						
Voltage Range (VDC)	42.0 ~ 58.0 VDC						
Efficiency (Typ.)	90%						
Fuse	15A x 2	10A x 4	10A x 6	10A x 8	10A x 10	10A x 12	10A x 14
<b>Protections</b>							
Battery Low Alarm	42.0 ± 0.5 VDC						
Battery Low Shutdown	40.0 ± 0.5 VDC						
Over Load	Shut down output voltage , restart to recover						
Over Voltage	60.0 ± 0.5 VDC						
Over Temperature	Shut down output voltage , recover automatically after temperature goes down						
Output Short	Shut down output voltage , restart to recover						
DC Input Reverse Polarity	By fuse						
Earth Fault	Shut off output when the load has electrical leakage						
Soft Start	Yes, 3-5 Seconds						
<b>AC Bypass(Optional)</b>							
Switch Voltage(UPS Mode)	<170V(± 10V) or >265V(± 10V)						
Switch Back Delay(s)	15						
<b>General</b>							
Working Temp.	0 ~ +50 °C						
Working Humidity	20 ~ 90% RH non-condensing						
Storage Temp. & Humidity	-30 ~ +70 °C, 10 ~ 95 % RH						
Cooling	Load control fan or by thermal control fan						
Dimension (LxWxH in mm)	281.5*173.6*103.1	313.5*173.6*103.1	352.2*281.3*112.7	352.2*281.3*112.7	442.2*261.3*112.7	442.2*261.3*112.7	533.2*261.3*112.7
Weight (Kg)	2.1 Kg	2.9 Kg	5.2 Kg	5.5 Kg	7.3 Kg	8.0 Kg	8.5 Kg
<b>Standards</b>							
Safety Standards	Certified EN 60950-1; 2006+A11: 2009+A1: 2010+A12: 2011+A2: 2013.						
Isolation Resistance	I/P-O/P:100M Ohms/500VDC						
EMI Conduction & Radiation	Certified EN 62040-2:2006,EN61000-3-2; EN61000-3-3;						
EMS Immunity	Certified IEC61000-4-3, IEC61000-4-6						
E-MARK	Certified ECE R10.05:2014						