

Black Hawk 1350-200/50-36; 1350-220/50-36; 1350-200/50-48; 1350-220/50-48

AC Input Voltage	200, 220 or 240 volts AC, nominal; single-phase only
Nominal Input Voltage Tolerance	±10% of any nominal rating (180-220 volts, 198-242 volts or 216-264 volts)
AC Input Current	8.4 amps @ 200V input with full load (1350 VA) applied 7.6 amps @ 220V input with full load (1350 VA) applied 6.9 amps @ 240V input with full load (1350 VA) applied
Input Frequency	50, ± 1 Hz
Line Reject Value	Selectable 180V or 190V @ 240V input
Line Accept Value	190V w/180V Reject or 200V w/190V Reject @ 240V input
Power Factor	0.9 typical; nominal (240 V) line input and >25% load
Output Voltage	48 / 63 / 89 VAC selectable taps
Output Voltage Tolerance	-6% and +2% load regulation over input range
Output Current	15 amps
Minimum Output Current	Not less than 1 amp load required
Output Power	1350 VA, 1230 Watts
Efficiency (Line Mode)	Better than 90% over line voltage range, at full load
Efficiency (Inverter Mode)	Better than 85% at nominal battery, full load
Run Time (Battery Input)	Greater than 2 hours @ full load with 110A-H battery
DC Input (Battery) Voltage	3-battery system (18-cells): 36 V nominal 4-battery system (24-cells): 48 V nominal
Low Battery Shutdown	1.75 V/cell (default) configurable to 1.65 1.70 or 1.80 V/cell
Charger Acceptance Voltage	3-battery system: not less than 28 volts 4-battery system: not less than 38 volts
Inverter Acceptance Voltage	3-battery system: not less than 36 volts 4-battery system: not less than 48 volts
Battery Charge Current	5 amps @ nominal AC input
Battery Float Voltage	2.28 V/cell (default) configurable to 2.25, 2.30, 2.32 or 2.35 V/cell
Temperature Compensation	-0.05V/°F (-0.09V/°C) slope
Protection	DC Input: 60A magnetic/hydraulic circuit breaker AC Output: 30A thermal circuit breaker
Anti-Backfeed Protection	Automatic inverter shutdown and lockout in case of relay or other failure that allows the inverter to drive into the AC line
Transfer Time	Seamless; 4 milliseconds or less, typical
Liquid Crystal Display (LCD)	Two-line alpha-numeric display w/ green backlight 3.25" L x 0.75" H (82.5 mm L x 19 mm H)
Operating Temperature Range	-40°C to +60°C (-40°F to +140°F) at 5% to 95% relative humidity, non-condensing
Size	8.6" H x 16.25" W x 12.5" D (219 mm x 413 mm x 318 mm)
Weight	76 Lbs. (34.5 Kg)