



**MODEL 952  
WELL PUMP  
SENTRY**

**MODEL 952 WELL PUMP SENTRY** maintains well pump operation during power outages. Model 952 is a unitized emergency backup system designed to drive single phase 220 VAC to 240 VAC well pumps rated up to one horsepower.

The 952 system is comprised of an inverter, power transfer switch and a 3 stage automatic battery charger. Power input connections to the 952 Well Pump Sentry consist of an AC voltage input from the utility and a DC voltage input from a battery bank. The 952 Well Pump Sentry may be mounted horizontally or vertically and will energize pump motors having configurations of two or three wires.

In the absence of utility power Well Pump Sentry may provide several days' supply of well water before its battery bank is depleted. Upon utility power reinstatement, the charger in the 952 replenishes the battery bank in readiness for the next power outage. The 952 Well Pump Sentry operates unattended.

It makes transitions between utility and standby power automatically, requiring no manual intervention.



For Electrical Specifications, See Reverse

# ELECTRICAL SPECIFICATIONS

NORMAL LINE OPERATION		
Input Volts	210-260 VAC RMS; 230 VAC Nominal 60 Hz., Single Phase	
Motor Capacity	1 Hp Maximum	
Input Current	10A RMS (Continuous)	
Start Up Surge Current	23A RMS (5 Seconds)	
Output Volts	210-260 VAC RMS; 230 VAC Nominal	
Output Current	10A RMS (Continuous)	
STANDBY OPERATION		
Motor Capacity	1 Hp Maximum	
Output Load Current	10A RMS (Continuous)	
Load Start Up Surge Current	23A RMS (5 Seconds)	
Output Volts	230 VAC+, - 10 VAC RMS	
Short Term Continuous Overload	13A (20 Seconds)	
Battery Current Maximum	130A DC (1 Hp Motor Start Up)	
CHARGING SYSTEM		
Nominal Battery Bank	24V (2 Group Size 29 Batteries Series Connected)	
Charging Capacity	15A	
Recharging Time	20 Hours from Total Discharge	
OUTPUT OVERLOAD PROTECTION		
AC Output / AC Input Fusing Under Normal Line Operation		
AC Output / DC Input Fusing Under Backup Conditions		
AC Output Electronic Overload Protection Under Backup Conditions		
INDICATORS	LED	AUDIBLE ALARM
CHARGER: Battery Full	✓	-
Battery Charging	✓	-
Replace Battery	✓	-
INVERTER: Overload	✓	-
Standby to Reset	✓	-
Battery Low/Imminent Shutdown	-	✓
CONNECTIONS AND DIMENSIONS		
Input/Output Cable Entry	Via Separate Bushings to Internal Barrier Blocks	
Overall Size	21" x 10" x 3.75"	
Mounting	Horizontal or Vertical Via Mounting Flanges with Clearance Holes for 1/4 Bolts	
Mounting Centers	9.25" x 15"	

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