
SEC AMERICA CORPS. Burlington, VT 05403

Specifications Model 1783***For Normal Line Operation***

Input Voltage	108-132 VAC RMS; 120 VAC nominal
Motor Capacity	1 Hp Maximum
Input Current	15A nominal continuous
Startup Load Surge Current	60A peak (2 seconds)
Output Volts	108-132 VAC RMS; 115 VAC nominal
Output Current	15A RMS (continuous)

Standby Operation

Output Load Current	15A RMS Cont.
*Sleeper Current Draw	70 mA max
Minimum Load for Continuous Mode Operation	1.75A
Load startup Surge Current	60A peak @ 110VAC (2 seconds)
Output Current	15A RMS continuous max.
Short Term Overload	20A RMS cont.
Maximum Battery Current	150A (during pump startup)

Output Overload Protections

AC output fuse protection for both line and standby operation
AC input fusing via circuit breaker
AC output electronic overload protection under backup conditions

DC Charging System

Nominal Battery Bank	24V - (2 X 12V BCI group size 31 batteries series connected)
Charging Capacity	8A peak
Recharge Time	24 hours from complete discharge for a 100 Ahr., 24V battery bank

Indicators

Battery Full	LED indicator
Battery Charging	LED indicator
Battery Health	LED indicator
Power Present at Output	LED indicator
Overload	LED indicator
Sleep Mode Operation	LED indicator
Battery Low/ Imminent Shutdown	Audible alarm

Connections & Physical Dimensions

Battery cable entry	via Red & Black terminal blocks
Input AC power	Via Nema 15, 14 gauge Power Cord
Mounting Orientation	horizontal or vertical
Mounting Centers	6 holes on 20 x 9.25 grid (inches)
Overall dimensions	25.0 X 8.3 x 3.5 (inches)
Recommended Mounting Hardware	0.25 inch lag bolts

* When in standby mode with no load, the unit becomes dormant in order to conserve battery energy. For the resumption of continuous operation, a minimum 1.75A load must be drawn from the output. If less current is detected the operation becomes intermittent.

NOTE: Specifications are subject to change without notice.

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