

# ZBB ENERSECTION™

## AC- Power Conversion Unit

### 25kVA UL-1741 INVERTER

## Operation Manual




**30-000072**

**Appendix A (Continue)**

**RATINGS AND SPECIFICATIONS (Electrical)**

The ZBB PCU is rated per the specifications displayed in Table 2.

**Table 2.**

 <b>ZBB ENERSECTION™ AC-PCU 25kVA UL-1741 INVERTER</b> <b>Model # 11-ENER-INV25</b>		
Rating Type	Utility-Interactive	Stand-Alone
Maximum Input Voltage (DC)	450V	450V
Range of input operating voltage (DC)	350-450V	350-450V
Maximum input current (DC)	160A	160A
Maximum input short circuit current	18kA	18kA
Maximum input source backfeed current to input source (AC)	1A	1A
Output power factor rating	0.6 or Greater 25KVA	0.6 or Greater 25KVA
Operating voltage range (AC)	177.7 - 233.8 V	208V +5%, -5%
Operating frequency range or single frequency	59.53 – 60.42 Hz	45 -65 Hz
Nominal Output Voltage (AC)	208V, 3Ph	208V, 3Ph
Normal Output Frequency	50/60Hz	50/60Hz
Maximum Continuous Output Current (AC)	69A	69A
Maximum Continuous Output Power (AC)	25kW	25kW
Maximum Output Fault Current (AC) and Duration	300A Pk 100µS	300A Pk 100µS
Maximum Output Overcurrent Protection	125 A	125 A
Utility Interconnection Voltage and Frequency Trip Limits and Trip Times	Under 166 ms	Under 166 ms
Synchronization In-Rush Current	35Arms	N/A
Trip Limit and Trip Time Accuracy	300A 100ms +/- 50ms	300A 100ms +/- 50ms
Normal Operation Temperature Range	-30°C to +50°C	-30°C to +50°C
Enclosure Type Rating	TYPE 3R	TYPE 3R

NOTE: Power Module does not have an Enclosure Type Rating.