

# SINGLE PHASE INVERTERS

## INPUT / OUTPUT CURRENT AND BTU CHART

Inverter Power	Input Voltage	Input Current	Minimum Breaker Required	Suggested Feed Breaker	Max BTU's/Hr at Full Load
1000	120	10.4	13.0	20	68
	277	4.5	5.6	20	
1600	120	16.7	20.8	30	109
	277	7.2	9.0	20	
2200	120	22.9	28.6	30	150
	277	9.9	12.4	20	
2800	120	29.2	36.5	40	190
	277	16.6	15.8	20	
3200	120	31.3	39.1	40	209
	277	13.5	16.9	20	
4200	120	41.7	52.1	60	286
	277	18.1	22.6	30	
5200	120	52.1	65.1	70	355
	277	22.6	28.2	30	
6250	120	62.5	78.1	80	426
	277	27.1	33.8	40	
8250	120	83.3	104.2	110	563
	277	36.1	45.	50	
10500	N/A	N/A	N/A	N/A	716
	277	45.1	56.4	60	
12500	N/A	N/A	N/A	N/A	825
	277	56.4	70.5	80	

### Notes:

- Input Current = Output Current + Max Charge Current
- Suggested Feed Breaker sizes are rounded up in 10 Amp increments
- Input Power requires 3 Wires, Neutral and Ground. Neutral is passed through and current carrying - Feeder Neutral to be sized same as Line conductors.
- KAIC Rating for all models = 65KAIC (UL rated per UL 61800-5-1)
- Short Circuit current rating = 65KA for ALL models.