

測試報告：

1.效率測試:

Test	Vdc (V)	Switching Frequency (kHz)	Resistance per phase (Ω)	Inductance per phase (mH)	PF	RMS Current (A)	Phase Volt Target (V _{RMS})	Phase Volt Meas. (V _{RMS})	DC Supply (W)	Temp (°C)	n %
1 kW	400	16	10.5	5	0.99	5.694	67.17	60.46	1091	65.8 (25 min)	95%
4 kW	400	16	10.5	5	0.99	11.1	127.3	120.35	4168	83.1 (8 min)	96.2%

2. 1KW Test :

1 kW Test

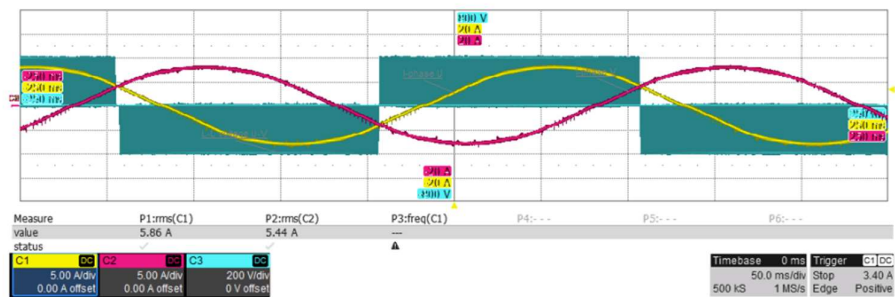


Figure 22. Phase Current U, Phase Current V, Inverter Output L-L voltage (UV) @ 1 kW



Figure 23. DC Power Supply Reading @ 1 kW.

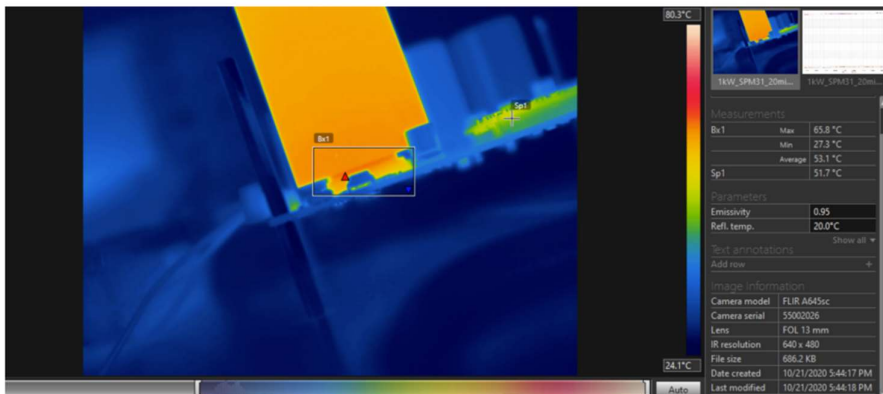


Figure 24. Thermal Camera Capture@ 1 kW after 25 Minutes of Operation

3. 4KW Test :

4 kW Test

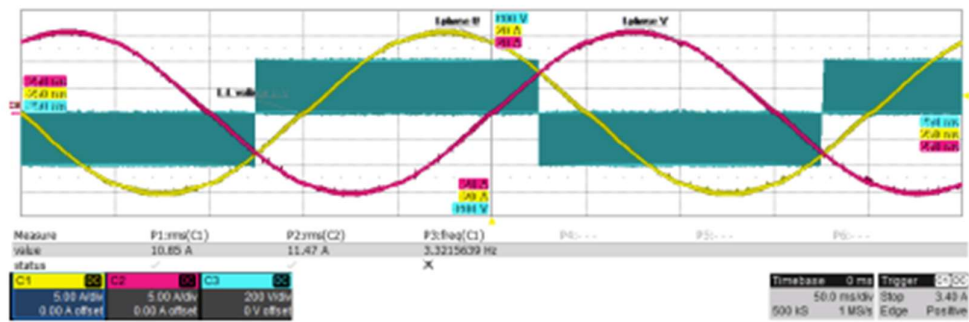


Figure 25. Phase Current U, Phase Current V, Inverter Output L-L Voltage (UV) @ 4 kW

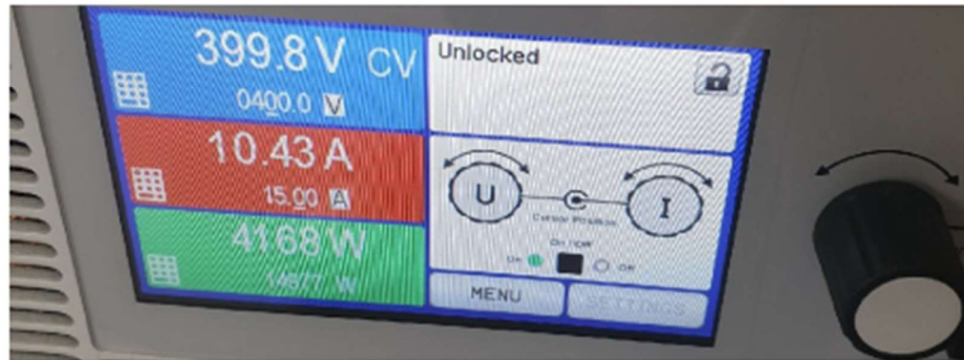


Figure 26. DC Power Supply Reading @ 4 kW

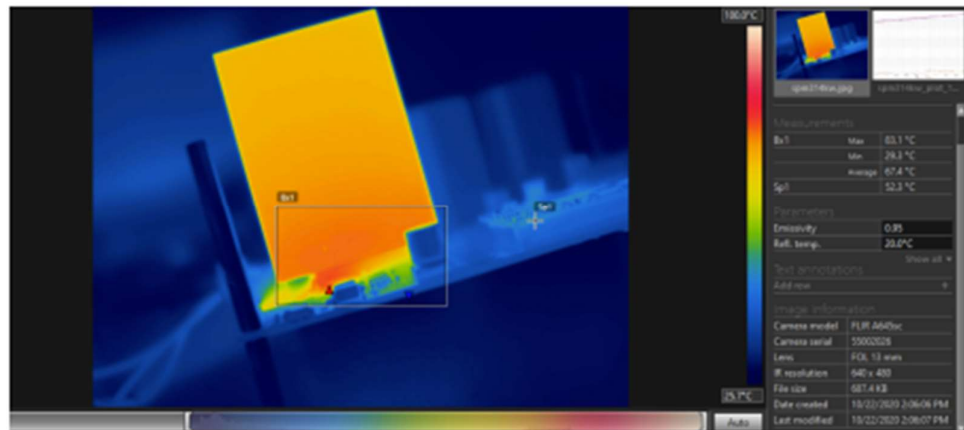


Figure 27. Thermal Camera Capture @ 4 kW after 8 Minutes of Operation