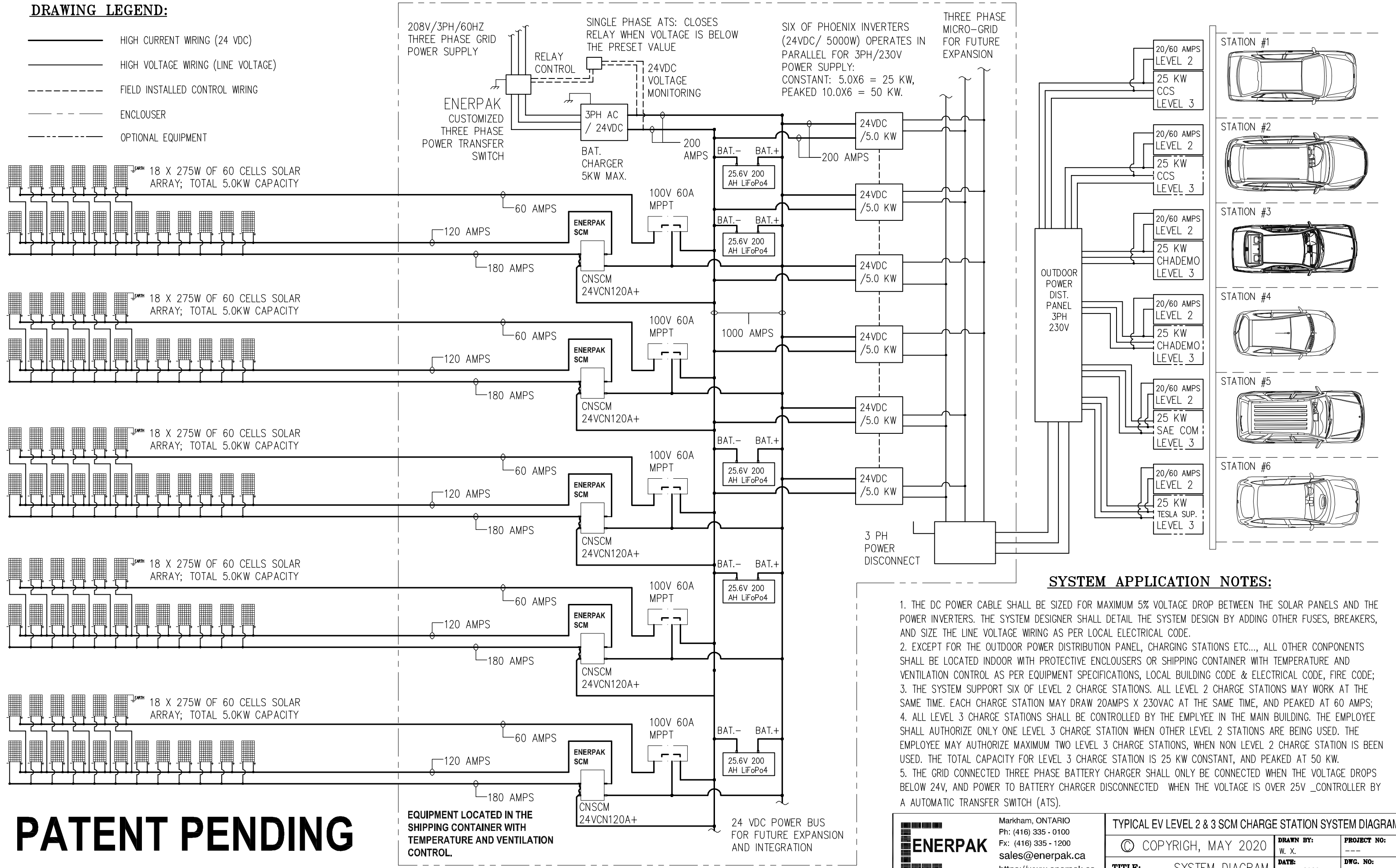


**DRAWING LEGEND:**

- HIGH CURRENT WIRING (24 VDC)
- HIGH VOLTAGE WIRING (LINE VOLTAGE)
- - - - - FIELD INSTALLED CONTROL WIRING
- ENCLOUSER
- OPTIONAL EQUIPMENT



**SYSTEM APPLICATION NOTES:**

1. THE DC POWER CABLE SHALL BE SIZED FOR MAXIMUM 5% VOLTAGE DROP BETWEEN THE SOLAR PANELS AND THE POWER INVERTERS. THE SYSTEM DESIGNER SHALL DETAIL THE SYSTEM DESIGN BY ADDING OTHER FUSES, BREAKERS, AND SIZE THE LINE VOLTAGE WIRING AS PER LOCAL ELECTRICAL CODE.
2. EXCEPT FOR THE OUTDOOR POWER DISTRIBUTION PANEL, CHARGING STATIONS ETC..., ALL OTHER COMPONENTS SHALL BE LOCATED INDOOR WITH PROTECTIVE ENCLOSURES OR SHIPPING CONTAINER WITH TEMPERATURE AND VENTILATION CONTROL AS PER EQUIPMENT SPECIFICATIONS, LOCAL BUILDING CODE & ELECTRICAL CODE, FIRE CODE;
3. THE SYSTEM SUPPORT SIX OF LEVEL 2 CHARGE STATIONS. ALL LEVEL 2 CHARGE STATIONS MAY WORK AT THE SAME TIME. EACH CHARGE STATION MAY DRAW 20AMPS X 230VAC AT THE SAME TIME, AND PEAKED AT 60 AMPS;
4. ALL LEVEL 3 CHARGE STATIONS SHALL BE CONTROLLED BY THE EMPLOYEE IN THE MAIN BUILDING. THE EMPLOYEE SHALL AUTHORIZE ONLY ONE LEVEL 3 CHARGE STATION WHEN OTHER LEVEL 2 STATIONS ARE BEING USED. THE EMPLOYEE MAY AUTHORIZE MAXIMUM TWO LEVEL 3 CHARGE STATIONS, WHEN NON LEVEL 2 CHARGE STATION IS BEEN USED. THE TOTAL CAPACITY FOR LEVEL 3 CHARGE STATION IS 25 KW CONSTANT, AND PEAKED AT 50 KW.
5. THE GRID CONNECTED THREE PHASE BATTERY CHARGER SHALL ONLY BE CONNECTED WHEN THE VOLTAGE DROPS BELOW 24V, AND POWER TO BATTERY CHARGER DISCONNECTED WHEN THE VOLTAGE IS OVER 25V \_CONTROLLER BY A AUTOMATIC TRANSFER SWITCH (ATS).

**PATENT PENDING**

	Markham, ONTARIO Ph: (416) 335 - 0100 Fx: (416) 335 - 1200 sales@enerpak.ca https://www.enerpak.ca	TYPICAL EV LEVEL 2 & 3 SCM CHARGE STATION SYSTEM DIAGRAM		
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TITLE: SYSTEM DIAGRAM		DATE: MAY. 2020	DWG. NO: EV-LEVEL 2 X 6	