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# Listing Constructional Data Report (CDR)

| 1.0 Reference and Address | | | |
|---|---|---|---|
| Report Number | 105302975LAX-001 | Original Issued: 9-Mar-2023 | Revised: 5-Nov-2025 |
| Standard(s) | Photovoltaic Hazard Control [ANSI/UL 3741:2020 Ed.1] | | |

| Applicant | Unirac, Inc. | Manufacturer 1 | |
|---|---|---|---|
| Address | 1411 Broadway Blvd Ne<br>Albuquerque, NM 87102 | Address | |
| Country | USA | Country | |
| Contact | Rob D'Anastasio | Contact | |
| Phone | 740-590-9092 | Phone | |
| FAX | N/A | FAX | |
| Email | robert.danastasio@unirac.com | Email | |

| 2.0 Product Description | |
|---|---|
| Product | Photovoltaic Hazard Control System (PVHCS) using Unirac installation manual defined by,<br>UL 3741 PV Hazard Control Installation Addendum for RM10 EVO: PUB2025JUL30<br>UL 3741 PV Hazard Control Installation Addendum for RMDT: PUB2025JUL30<br>UL 3741 PV Hazard Control Installation Addendum for RM5: PUB2025JUL30<br>UL 3741 PV Hazard Control Installation Addendum for EcoFoot5D: PUB2025JUL30<br>UL 3741 PV Hazard Control Installation Addendum for EcoFoot2+: PUB2025JUL30<br>UL 3741 PV Hazard Control Installation Addendum for GridFlex 5: PUB2025JUL30<br>UL 3741 PV Hazard Control Installation Addendum for GridFlex 10: PUB2025JUL30<br>UL 3741 PV Hazard Control Installation Addendum for NXT Umount Residential Roof Applications PUB2025JUL30<br>UL 3741 PV Hazard Control Installation Addendum for NXT Umount Commercial Roof Applications PUB2025JUL30<br>UL 3741 PV Hazard Control Installation Addendum for SolarMount Residential Roof Applications PUB2025JUL30<br>UL 3741 PV Hazard Control Installation Addendum for SolarMount Commercial Roof Applications PUB2025JUL30 |
| Brand name | Unirac, INC. |
| Description | The equipment and components covered under the Unirac PVHCS are as follows: Inverter, Disconnect Switch, PV module,  MLPE Mounts, Cable Tray and Wire Clips. The PV array equipment or assemblies were subjected to a Safety Analysis (Section 12 of UL 3741) considering potential risks that a Fire Fighter (FF) may encounter when interacting with the Unirac PVHCS while performing duties during an emergency.<br>PVHCS shall be equipped with Rapid Shutdown that complies with PV Hazard Control Equipment (PVHCE) per UL 3741, UL 1741 and NEC 690.12. The Rapid Shutdown product shall comply with the PVRSE and PVRSS requirements of UL 1741 including but not limited to the applicable Sections 87 – 97 for the specific functions that the equipment performs. All specified Rapid Shutdown devices in this report shall be marked and comply with PVRSS. Inverters and other critical compnents in this listing shall be placed 305 mm (1 ft) from the array in all directions.<br><br>The PV Hazard control system in this report are evaluated to UL 3741 with validation testing specified in section 8. Evaluation to this standard should not replace other requirements of other applicable standards or addressing the control of power source(s) for the purposes of worker safety during installation or maintenance.<br><br>Any local electrical codes must be adhered in addition to the national electrical codes. Installer is responsible for and shall provide an appropriate installation to the applicable edition of the National Electrical Code. |

| **2.0 Product Description** | |
|---|---|
| Models | RM10, RM10 EV0, RMDT, RM5 South, EcoFoot5D, EcoFoot2+, GridFlex, GridFlex 10, NXT, and SM |
| Model Similarity | All PVHCS models are similar in functionality but differ in the Racking model and components used that are stated in this listing report |
| Ratings | **All PVHCS ratings:**<br>**String max system voltage:** 1000Vdc<br>**Max PV Module Surface Area:** 33.44ft2 for RM 5 South, RMDT, RM10, RM10EVO,<br>**Max PV Module Surface Area:** 29.49ft2 for EcoFoot5D, EcoFoot2+, GridFlex 5, NXT and SM<br>**PV Module Model Type:** Glass Polymer or Glass Glass with metallic frame for RM 5 South, RMDT, RM10, RM10EVO, EcoFoot5D, EcoFoot2+ and GridFlex<br>**PV Module Model Type for NXT and SM:** Type 1 and Type 2<br>**PV Module Model Type for GridFlex 10:** Type 1, Type 2 and Type 29 |
| Other Ratings | N/A |