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| **SPECIFICATIONS** |
| **Model #** | **SR100-24** | **SRX100-24** | **SR100-48** | **SRX100-48** | **SR100-120** | **SRX100-120** |
| PV Input Voltage Range | 60 – 500Voc dc (Max) | 120 - 500Voc dc (Max) | 300 - 500Voc dc (Max) |
| Nominal DC Battery Voltages | 24 Volts dc (nominal) | 48 Volts dc (nominal) | 120 Volts dc (nominal) |
| Battery Voltage Range | 20 - 30.0Vdc | 40 - 60.0Vdc | 105 - 150.0Vdc |
| Maximum PV Input (Total) | Based on Maximum Actual Battery Voltage x 100 Amps |
| Maximum Charge Current | 100 Amps (50 Amps per MPPT Powerboard) |
| Regulator Operating Modes | OFF, Standby, Bulk Charge, Absorption Charge, Float Charge, & Equalize Charge |
| Maximum Load Current | 2 x 5 Amps combined for 10 Amps Total |
| Load Voltages | Same as Battery Voltages |
| Load Dis-Reconnect Voltages | Based on the settings for each regulator |
| DC Load Voltage Regulation | Battery Voltage ±50 mVdc |
| Status Display Method | 6 x LED’s | 6 x LED’s + 4x20 LCD | 6 x LED’s | 6 x LED’s + 4x20 LCD | 6 x LED’s | 6 x LED’s + 4x20 LCD |
| Historical Data Storage | N/A | USB & SD Card | N/A | USB & SD Card | N/A | USB & SD Card |
| Maximum Efficiency | Approx 95% |
| Operating Temperature Range | 0°C to 50 °C |
| Storage Temperature Range | -30°C – +70 °C |
| Pollution Degree | 2 | 2 |
| Ingress Protection | IP20 | IP20 |
| Maximum Altitude Rating | 2,000 Metres | 2,000 Metres |
| Relative Humidity | 0 - 95% non-condensing |
| Low Battery Load ReleaseLow Battery Load Re-Connect | 0–60 Vdc adjustable0–60 Vdc adjustable | 0–60 Vdc adjustable0–60 Vdc adjustable | 0 – 150 Vdc adjustable0 – 150 Vdc Adjustable |
| Battery Drain in Standby Mode | 50mW to 100mW (depending on Regulator and LCD states) |
| Dimensions (excluding protrusions) and Weight | 370W x 320H x 170D mm20 Kgs (approx.) | 375W x 430H x 170D mm23 Kgs (approx.) |
| Shipping Dimensions and Weight | 450W x 540H x 280D mm24 Kgs (approx.) | 450W x 540H x 280D mm29.5 Kgs (approx.) |
| Safety Standards | IEC 62109:1, AS5033 |
| ERAC Registration | E4049 |
| Compliance Markings | N8 |
| **STANDARD FEATURES** |
| Battery Protection | Load Output Disconnect or Re-Connect, & Charge Stop based on setup settings |
| Battery Temperature Sensor | Included as standard with 5M Cable and bootlace terminals |
| Battery Charger | Five stage battery charging regime (Night, Bulk, Absorption, Float, & Equalise) |
| Remote Output Signal | Automatic selection based on S.O.C., Time, Temperature, & Period conditions |
| Remote Output Signal | Voltage Free signal terminal to activate external equipment (OPEN/CLOSE) with 100mA max sink current x 2 |
| Inputs/Outputs | PV Inputs x 2 or 4, Battery + & Battery -, Load Output x 2 pairs,16 way for external device I/O, CANBus x 2, Ethernet, SD-Card, Keys x 6 |
| Cooling | Two internal DC Fans with operation controlled by the heatsink temperature |
| Temperature De-rating | Output current is progressively reduced to 0 Amps from 60°C to 80°C.  |
| **OPTIONS** |
| 19” Rack Mounting Versions | Same Electrical Specifications as Wall Mount versions  |
| Rack Mounting Version Sizes | 482W x 420D x 176H mm(excluding Protrusions) | 482W x 475D x 176H mm excluding Protrusions |
| Ambient Temperature Sensor | With 5M Cable and bootlace terminals |
| SC Card (Optional) | Different capacity SD Storage Cards |
| **REMOTE LCD UNIT SPECIFICATIONS** |
| Imark Model # | **RLCD** |
| Remote Control Unit (Optional) | In-built 4x20 back-lit alphanumeric liquid crystal display with 6 LED Status indicators, 6 keys, CANBus, RS232, RS485, & Ethernet connectors.  |
| Size | 160mm (W) x 130mm (H) x 55mm (D) or 6¼” (W) x 5¼ (H) x 2¼ (D) excl. Protrusions |
| Weight | 1.3 Kgs (2.9 pounds) |
| Shipping Dimensions | 180 x 170 x 80 mm 1.4 Kgs |

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| Imark is a wholly Australian owned company and we are proud to design and manufacture our own products in Australia. This gives us the flexibility to customise our products to suit the individual needs of the end user. Accordingly, we back our products with great technical support and a wide range of spare parts. | Australian Flag |
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| **COMMUNICATIONS PTY. LTD.** |
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