

MANUFACTURER DOCUMENT PACKAGE

# Manufacturer's Manual

Reference package for procurement and maintenance review

GE VERSAMAX

## IC200PWR002

24 V DC EXPANDED-POWER SUPPLY

Used with the applicable VersaMax power supplies configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: GE official manufacturer documentation



## Power Supplies

VersaMax Power Supply modules snap onto any VersaMax CPU or Network Interface Unit or onto a power supply booster carrier. Each power supply can be used as the main power source for modules in the I/O station, or as a source of supplemental power for larger I/O applications.

|                        | IC200PWR001                                                                                                                    | IC200PWR002                                                                                                                    | IC200PWR011                                                                                                                    | IC200PWR012                                                                                                                    | IC200PWR101                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Product Name           | 24 VDC Power Supply                                                                                                            | 24 VDC Power Supply with Expanded 3.3 V                                                                                        | 24VDC Isolated Power Supply                                                                                                    | 24VDC Isolated Power Supply with Expanded 3.3 V                                                                                | 120/240 VAC Power Supply                                                                                                       |
| Lifecycle Status       | Active                                                                                                                         | Active                                                                                                                         | Active                                                                                                                         | Active                                                                                                                         | Active                                                                                                                         |
| Input Voltage          | 24 VDC                                                                                                                         | 24 VDC                                                                                                                         | 24 VDC                                                                                                                         | 24 VDC                                                                                                                         | 120/240 VAC                                                                                                                    |
| Output Voltage         | 5 VDC, 3.3 VDC                                                                                                                 | 5 VDC, 3.3 VDC                                                                                                                 | 5 VDC, 3.3 VDC                                                                                                                 | 5 VDC, 3.3 VDC                                                                                                                 | 5 VDC, 3.3 VDC                                                                                                                 |
| Extended Power         | No                                                                                                                             | Yes                                                                                                                            | No                                                                                                                             | Yes                                                                                                                            | No                                                                                                                             |
| Input Power            | 11 W                                                                                                                           | 11 W                                                                                                                           | 11 W                                                                                                                           | 11 W                                                                                                                           | 27 VA                                                                                                                          |
| Isolated Power         | No                                                                                                                             | No                                                                                                                             | Yes                                                                                                                            | Yes                                                                                                                            | N/A                                                                                                                            |
| Holdup Time            | 10 ms                                                                                                                          | 10 ms                                                                                                                          | 10 ms                                                                                                                          | 10 ms                                                                                                                          | 20 ms                                                                                                                          |
| Inrush Current         | 20 A @ 24 VDC;<br>25 A @ 30 VDC                                                                                                | 20 A @ 24 VDC;<br>25 A @ 30 VDC                                                                                                | 20 A @ 24 VDC;<br>25 A @ 30 VDC                                                                                                | 20 A @ 24 VDC;<br>25 A @ 30 VDC                                                                                                | N/A                                                                                                                            |
| Protection             | Short circuit, overload,<br>reverse polarity                                                                                   | Short circuit, overload,<br>reverse polarity                                                                                   | Short circuit, overload,<br>reverse polarity                                                                                   | Short circuit, overload,<br>reverse polarity                                                                                   | Short circuit, overload                                                                                                        |
| Total Output Current   | 1.5 A maximum                                                                                                                  | 1.5 A maximum                                                                                                                  | 1.5 A maximum                                                                                                                  | 1.5 A maximum                                                                                                                  | 1.5 A maximum                                                                                                                  |
| 3.3V Output Current    | 0.25 A maximum                                                                                                                 | 1.0 A maximum                                                                                                                  | 0.25 A maximum                                                                                                                 | 1.0 A maximum                                                                                                                  | 0.25 A maximum                                                                                                                 |
| 5V Output Current      | 1.5 A minus the 3.3 V<br>current used, maximum                                                                                 | 1.5 A minus the 3.3 V<br>current used, maximum                                                                                 | 1.5 A minus the 3.3 V<br>current used, maximum                                                                                 | 1.5 A minus the 3.3 V<br>current used, maximum                                                                                 | 1.5 A minus the 3.3 V<br>current used, maximum                                                                                 |
| Dimensions (W x H x D) | 49 mm (1.93 in) x<br>133.4 mm (5.25 in) x<br>39 mm (1.54 in),<br>not including the<br>height of the carrier<br>or the DIN-rail | 49 mm (1.93 in) x<br>133.4 mm (5.25 in) x<br>39 mm (1.54 in),<br>not including the<br>height of the carrier<br>or the DIN-rail | 49 mm (1.93 in) x<br>133.4 mm (5.25 in) x<br>39 mm (1.54 in),<br>not including the<br>height of the carrier<br>or the DIN-rail | 49 mm (1.93 in) x<br>133.4 mm (5.25 in) x<br>39 mm (1.54 in),<br>not including the<br>height of the carrier<br>or the DIN-rail | 49 mm (1.93 in) x<br>133.4 mm (5.25 in) x<br>39 mm (1.54 in),<br>not including the<br>height of the carrier<br>or the DIN-rail |



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|                               | IC200PWR102                                                                                                                    | IC200PWR201                                                                                                                    | IC200PWR202                                                                                                                    | IC200PWB001                                                                                                                                     |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
|                               | <b>120/240 VAC Power Supply<br/>with Expanded 3.3 VDC</b>                                                                      | <b>12 VDC Power Supply</b>                                                                                                     | <b>12 VDC Power Supply<br/>with Expanded 3.3 VDC</b>                                                                           | <b>VersaMax Power Supply<br/>Booster Carrier.<br/>Supplies power to all<br/>modules to the right<br/>of booster. Requires<br/>power supply.</b> |
| <b>Product Name</b>           |                                                                                                                                |                                                                                                                                |                                                                                                                                |                                                                                                                                                 |
| <b>Lifecycle Status</b>       | Active                                                                                                                         | Active                                                                                                                         | Active                                                                                                                         | Active                                                                                                                                          |
| <b>Input Voltage</b>          | 120/240 VAC                                                                                                                    | 9.6-15 VDC, 12 VDC nominal                                                                                                     | 9.6-15 VDC, 12 VDC nominal                                                                                                     | N/A                                                                                                                                             |
| <b>Output Voltage</b>         | 5 VDC, 3.3 VDC                                                                                                                 | 5 VDC, 3.3 VDC                                                                                                                 | 5 VDC, 3.3 VDC                                                                                                                 | N/A                                                                                                                                             |
| <b>Extended Power</b>         | Yes                                                                                                                            | No                                                                                                                             | Yes                                                                                                                            | N/A                                                                                                                                             |
| <b>Input Power</b>            | 27 VA                                                                                                                          | 11 W                                                                                                                           | 11 W                                                                                                                           | N/A                                                                                                                                             |
| <b>Isolated Power</b>         | N/A                                                                                                                            | No                                                                                                                             | No                                                                                                                             | N/A                                                                                                                                             |
| <b>Holdup Time</b>            | 20 ms                                                                                                                          | 10 ms                                                                                                                          | 10 ms                                                                                                                          | N/A                                                                                                                                             |
| <b>Inrush Current</b>         | N/A                                                                                                                            | 25 A at 12 VDC; 30 A at 15 VDC                                                                                                 | 25 A at 12 VDC; 30 A at 15 VDC                                                                                                 | N/A                                                                                                                                             |
| <b>Protection</b>             | Short circuit, overload                                                                                                        | Short circuit, overload,<br>reverse polarity                                                                                   | Short circuit, overload,<br>reverse polarity                                                                                   | N/A                                                                                                                                             |
| <b>Total Output Current</b>   | 1.5 A maximum                                                                                                                  | 1.5 A maximum                                                                                                                  | 1.5 A maximum                                                                                                                  | N/A                                                                                                                                             |
| <b>3.3V Output Current</b>    | 1.0 A maximum                                                                                                                  | 0.25 A maximum                                                                                                                 | 1.0 A maximum                                                                                                                  | N/A                                                                                                                                             |
| <b>5V Output Current</b>      | 1.5 A minus the 3.3 V<br>current used, maximum                                                                                 | 1.5 A minus the 3.3 V<br>current used, maximum                                                                                 | 1.5 A minus the 3.3 V<br>current used, maximum                                                                                 | N/A                                                                                                                                             |
| <b>Dimensions (W x H x D)</b> | 49 mm (1.93 in) x<br>133.4 mm (5.25 in) x<br>39 mm (1.54 in),<br>not including the<br>height of the carrier<br>or the DIN-rail | 49 mm (1.93 in) x<br>133.4 mm (5.25 in) x<br>39 mm (1.54 in),<br>not including the<br>height of the carrier<br>or the DIN-rail | 49 mm (1.93 in) x<br>133.4 mm (5.25 in) x<br>39 mm (1.54 in),<br>not including the<br>height of the carrier<br>or the DIN-rail | 66.8 mm (2.63 in) x<br>133.4 mm (5.25 in) x<br>70 mm (2.75 in),<br>not including the<br>height of DIN-rail                                      |