The SABRE Series Communications Interface provides system connection to a computer via RS232 or USB for the purposes of monitoring, controlling or programming using the Winpower PC based software that provides a user friendly GUI interface.

The SABRE Series Controller, allows the user to monitor real-time system status such as output voltage, output current, alarm status, and various system parameters, to quickly be changed with the touch of a few keys on the front panel. With the Communications Interface module installed the system can be monitored over a variety of interfaces with a local PC running Winpower.

An optional SNMP module provides alarm traps over a LAN interface. The SNMP alarm trap allows system parameters, to be quickly be changed with the touch of a few keys on the front panel. With the Communications Interface module installed the system can be monitored over a variety of interfaces with a local PC running Winpower.

The MBS2U-100 is used with systems employing the STS10048 100A STS module and provides AC through a single bulk output. The DPMBS2U, used with systems up to 50A output capacity, provides two means of distributing AC to the load as standard; as a single bulk output or via eight IEC320 or NEMA outlet sockets with individual Magnetic Circuit Breakers. The DPMBS2U and MBS2U manual bypass and power distribution modules enable the user to manually switch between inverter output or utility output and to override the STS module for maintenance purposes. A mechanical interlock between these units and the STS module ensures that AC to the load cannot be inadvertently interrupted.

To define a custom systems complete the following table:

<table>
<thead>
<tr>
<th>STEP</th>
<th>INSTRUCTIONS</th>
<th>SELECTION OPTION</th>
<th>RU</th>
<th>SELECTION RU</th>
<th>EXAMPLE SELECTION RU</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Select the number of inverter shelves (each shelf is 3KVA)</td>
<td>3-6</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td>Select the number of inverter shelves (each shelf is 3KVA)</td>
<td>3-6</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>Select the number of inverter shelves (each shelf is 3KVA)</td>
<td>3-6</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>Select the number of inverter shelves (each shelf is 3KVA)</td>
<td>3-6</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>

Customers can customize an inverter design to meet their application requirements and still benefit from delivery of a factory assembled and fully tested product that minimizes installation time. Customers can choose the number of inverter shelves and types of distribution as well as adding or removing STS, MBS and communication options.

The following shows how to build an alternate configuration part number:

**DEFINING ALTERNATE & CUSTOM SYSTEM CONFIGURATIONS**

**MBS2U-100 connections**

- **Output Voltage:** 120 or 120/240V or 230/230VAC
- **Maintenance By-Pass (MBS) & Distribution**: Delete if not required, otherwise DPMBS2U-E, DPMBS2U-N or D2B
- **SNMP alarm trap**: Delete if not required
- **Static Transfer Switch (STS)**: Delete if not required, otherwise TS50S or TS100S
- **Number of inverter shelves included**: 1-6, shelf height is 4U
- **Total height of system as defined by the options specified**: 2U to 10U (see here how this is defined in the table below)
**SABRE Series Inverter Power System**

**KEY FEATURES**
- Ultimate Power Density
- Hot-Plug N+1 Operation
- Highly Configurable
- Expandable to 1RU

The Coates Energy Systems SABRE is an integrated inverter power system, including, inverter, static transfer switch, controller, and remote communications interface modules.

The modular design and N+1 redundant capability of SABRE allows the system to be configured for a variety of complex Telecommunication and Industrial power requirements.

An ‘All Master’ dynamic mechanism prevents interruption to critical loads from one or more inverter module failures.

SABRE’s static transfer switch provides automatic instantaneous load transfer ensuring secure uninterrupted operation of sensitive electronic equipment.

The microprocessor controller gives real-time system status via an LCD display and LEDs indicators.

- Various AC Load Distribution Options
- N+1 Redundant Capability
- Hot-Plug N+1 Operation

**LITE SYSTEM**

**SABRE Lite** consists of a number of different SABRE Inverter shawes hosting two INV1048 500VDC/1000W hot-swap inverter modules. The shelves are 4RU high (350mm) and provide various AC output terminations / distribution types including NEMA 5-15, IEC320-23 and field wiring terminal block. A separable bottom cover gives detail of the available configuration.

**LITE SYSTEM**

**SABRE Lite** can be coupled with the Vigilant Series AC Power Distribution units to produce a simple solution which offers AC output distribution with a remaining weight of NEMA or IEC320 outputs. See the Vigilant Series brochure for further details.

**PRE-COMPILED SYSTEMS**

The SABRE Series offers unparalleled flexibility of system configuration, but for most applications there are similar requirements. This means that a pre-defined series of configured system units is available. All pre-configured systems include a Static Transfer Switch, Communication Controller and Communications Module with SNMP option already enabled.

Customers can choose bulk output only, bulk/distributed output without Manual Bypass, or bulk/distributed output with Manual Bypass. Distributed outputs are available with 6 x IEC320 outlets for 120/240VAC operation and IEC320 outlets for 120/240VAC operation only.

A separable bottom cover gives detail of the available system units which can accommodate 240VAC or 208VAC output inverter modules as required.

**CUSTOMER DEFINED SYSTEMS**

Customers can configure systems to their exact requirements ranging from 3kVA with two STS and optional Manual Bypass distribution to a maximum of 3kVA with STS and MBS on two parallel inverters in between.

Examples of such configurations are shown.

For details on how to configure an alternative application specific system configuration, use the Sketch of this brochure.

**HOT-SWAP INVERTER MODULES**

**SABRE Series** Hot-swap inverter modules utilize advanced power electronic techniques for reduced size: achieving a power density of 6400W/cubic inch dimensions of 190 x 150 x 150mm height x width x depth these units install into a 2RU high 19" rack-mountable 450mm power shelf.

**KEY FEATURES**
- Pure sine wave
- Hot-swap replacement shelf
- High efficiency (-99%) with minimal audible noise
- Smart fan speed control
- Wide operation temperature range, -20 to +70°C
- N+M Redundancy supports load emergency
- Lower audible noise (-58dBA)

**VIGILANT SERIES - PDUAC1US**

The PDUAC1U has 100A overall capacity and provides two ways of distributing AC to the load; as a single bulk output and via eight IEC320-23 (120/240VAC) outlet sockets with individual Magnetic Circuit Breakers.

**Compact design**

- 4RU high (8.46"), 11.8" wide, 19" deep

**Communications Interface**

- CAN Bus interface embedded

**INSIDE VIGILANT SERIES - PDUAC1US**

**VIGILANT SERIES - PDUAC1US**

**PDUAC1U-T** - Terminal Block Connections

**PDUAC1U-N** - NEMA 5-15 Outlets

**1U AC DISTRIBUTION MODULE**

The PDUAC1U-T features optional terminal block options for distributing AC to the load: as a single bulk output and via eight IEC320-23 or NEMA 5-15 outlet sockets with individual Magnetic Circuit Breakers.

**Compact design**

- 482 x 140 x 44mm (19"")

**Inverter**

- Nominal Output Voltage 110/115/120Vac - INV1548, 208/220/230/240Vac - INV1548H

**Mains**

- Frequency 50/60Hz ±0.5%, programmable

**Output Power**

- 1500VA/1200W

**Power Factor**

- 0.8 maximum lagging or leading

**AC INPUT**

- 120/230VAC

**DC INPUT**

- 48Vdc: 2kW with controller, communications with SNMP

**AC OUTPUT**

- 120/230VAC

**OPERATING RANGE**

- 40.5Vdc - 58Vdc for 48Vdc System

**INPUT VOLTAGE TOLERANCES**

- ±10% ±15% ±20% ±30%

**OUTPUT VOLTAGE REGULATION**

- ±1% ±2% ±3% ±5% ±10% ±15% ±20% ±25% ±30%

**INPUT NOISE**

- < 55dBA

**REMARKS**

- Custom High Power Density

**UNIPOWER LLC**

Tel: +1 954-346-2442  Email: customer.services@unipowerco.com
SABRE Series
Inverter Power System

KEY FEATURES
- Ultimate Power Density
- Hot-Plug N+1 Operation
- Highly Configurable
- Expandable to 19kVA

The Gravitas Energy Systems SABRE is an integrated inverter power system, including, inverter, static transfer switch, controller and remote communications interface modules.

The modular design and N+1 redundant capability of SABRE allows the system to be configured for a variety of complex Telecommunication and Industrial power requirements.

An 'All Master' dynamic mechanism prevents interruption to critical loads from one or more inverter module failures.

SABRE's static transfer switch provides automatic instantaneous load transfer, ensuring secure uninterrupted operation of sensitive electronic equipment.

The microprocessor controller gives real-time status information via an LCD display and LEDs indicating and allows setting to be programmed through the front panel. With the communication interface module installed, it is possible to control and monitor the system remotely.

LITE SYSTEM
SABRE Lite consists of a number of different 15kVA inverter modules housed in 350x500x300/500/700/1000 hot swap inverter modules.

SABRE Lite can be coupled with the Vigilant Series AC Power Distribution units to create a similar solution, which offers AC output distribution with 95% efficiency (model NA1 + 520020). See the Vigilant Series brochure for full details.

PRE-CONFIGURED SYSTEMS

The SABRE Series offers unparalleled flexibility of system configuration, but for most applications, have similar requirements. For this reason we have defined specific pre-configured systems to suit a range of applications. Pre-configured systems include a Static Transfer Switch, Controller and Communications Module with SNMP option already installed.

Customers can choose bulk output only, bulk/distributed output with Manual Bypass, or bulk/distributed output with Manual Bypass. Distributed outputs are available with 3x20A outlets for 120/208/240VAC operation and 12x5A outlets for 208/240VAC operation only.

A separate data sheet details each of the available system units which can accommodate 120VAC or 208VAC inverter modules as required.

CUSTOMER DEFINED SYSTEMS

Customers can configure systems to their exact requirements ranging from 3kVA with its STS and optional STS2 distribution to a maximum of 15kVA with STS and STS2 or any combination in between.

Examples of such configurations are shown.

For details on how to configure an inverter, please refer to the application specific system configuration in the back of this brochure.

HOT-SWAP INVERTER MODULES

The SABRE Series inverter modules utilize advanced power electronics techniques for reduced size: achieving a power density of 550W/in3 with dimensions of 1.75 x 1.5 x 5 inches (44.5 x 38.1 x 127mm) depth these units install in pairs into a 1U high 19" rack mountable shelf 430mm power shelf.

- Can Bus interface embedded
- CAN Bus interface embedded

SHOWN:
- Static Transfer Switch (50A unit shown)
- Static Transfer Switch
- Static Transfer Switch (50A unit shown)
- Static Transfer Switch

INVERTER MODULE SPECIFICATION

- Input
- Output
- Power factor
- Frequency
- Voltage stability
- Power output
- Efficiency
- Dimensions
- Weights
- Accessories
- Options

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- Input
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STATIC TRANSFER SWITCH MODULES

The SABRE Series Static Transfer Switch modules increase system reliability by automatically switching between the inverter output and the utility-supply. The STS50 (50A capacity) and STS100 (100A capacity) can be programmed so that the system operates in a standby mode where the utility is the normal source of supply or alternatively the system can be the normal source of supply with automatic back-feed protection.

For details on how to configure an inverter, please refer to the application specific system configuration in the back of this brochure.
**LITE SYSTEM**

The SABRE Lite consists of a number of different Sinus power shelves housing two 350VA/240W hot swap inverter modules. The shelves are Rm High x 17.5 inches thick and provide various AC output terminations / distribution types including NEMA 5-15, IEC60320-C13 and field wiring terminal blocks. A separate datasheet gives details of the available configurations.

**SABRE Series Inverter Power System**

**KEY FEATURES**

- **Unique Power Density**
- **Hot Plug N+1 Operation**
- **Highly Configurable**
- **Expandable to 19kVA**

The Go atas: Energy Systems SABRE is an integrated inverter power system, including, inverter, static transfer switch, controller, and remote communications interface modules.

The modular design allows the system to be configured for a variety of complex Telecommunication and Industrial power requirements.

An ‘All Master’ dynamic mechanism prevents interruption to critical loads from one or more inverter module failures.

SABRE’s static transfer switch provides automatic instantaneous load transfer ensuring secure uninterrupted operation of sensitive electronic equipment.

The microprocessor controller allows real-time system status via an LCD display and LED indicators. The SABRE ‘Lite’ system includes a statically switched transfer switch to provide automatic instantaneous switch-over to the utility in the event of system failure.

The SABRE Series Static Transfer Switch modules increase system reliability by automatically switching between the inverter output and the utility in a pre-defined sequence. The modules provide a low cost and maintenance-free solution that can also be configured with a redundant power source option.

The SABRE Series offers unparalleled flexibility of system configuration, but for most applications have similar requirements. For this reason we have defined several ‘pre-configured’ systems with 3, 6 or 9kVA capacity. All pre-configured systems include a Static Transfer Switch, Communications Module and SNMP option already installed.

**Mainteance bypass Switch function**

- No-cross connect
- Emergency Power Off function embedded
- Lower audible noise <55dBA
- Fast transfer time, typically less than 1/4 cycle
- Redundant power supply design
- Redundant fan design
- Back-feed protection
- Hot-swap capability with MBS
- Universal AC input range
- Wide operation temperature range, -20 to +70°C
- Pure sine wave
- High efficiency, >110%
- Smart fan speed control
- Wide operating meetup range: -20 to +70°C
- Noise reducing passive heatsinks
- Lower audible noise <55dBA
- Emergency Power Off function embedded
- No cross connect
- Optional maintenance bypass switch function
- CAN Bus interface embedded

**CUSTOMER DEFINED SYSTEMS**

Customers can configure systems to their exact requirements ranging from 3kVA with its 50% and optional 85% transfer to a maximum of 9kVA with 50% and 100% of its output at 220VAC.

Examples of such a configurations are shown.

For details on how to configure an alternate pre-configured or customized system with an expanded range of N+1 capabilities, see the SABRE Series datasheet.

Customers can choose bulk output only, bulk/distributed output with Manual Bypass, or bulk/distributed output with Manual Bypass. Distributed outputs are available with 240/250 outlets for 120VAC, 480/550 outlets for 230VAC operation and NEMA 5-15 outlets for 208VAC operation only.

A separate datasheet gives details of each of the available system units which can accommodate 120VAC or 230VAC output distribution with 8 remotely switched NEMA or IEC60320 outlets.

Inverter Power System Module Specification

**INVERTER MODULE SPECIFICATION**

**INVERTER MODULE SPECIFICATION**

**AC INPUT**

- **Input Voltage**
  - CA01 36321100 120/230/480VAC
  - CA02 36321101 120/230/480VAC
- **Output Voltage**
  - CA01 36321100 120/230/480VAC
  - CA02 36321101 120/230/480VAC
- **Frequency**
  - 50/60Hz
- **Phase**
  - 3-Phase
- **Input Current Rating**
  - 47A
- **Output Current Rating**
  - 47A
- **Maximum Output Power**
  - 1kVA at 0.9 Power Factor
- **Efficiency**
  - 93%
- **Environmental Temperature Range**
  - -20°C to +70°C
- **Maximum Ambient Temperature**
  - +40°C
- **Humidity**
  - 95%
- **Weight**
  - 280 lbs
- **Dimension**
  - 19 inches wide x 1.75 inches high

**Technical Specifications**

- **Output Voltage Variation Maximum ±2%**
- **Output Voltage Regulation ±2%**
- **Output Frequency Variation ±3%**
- **Output Frequency Regulation ±3%**
- **Input Power Factor**
  - 0.9
- **Input Power Factor (Destabilized)**
  - 0.7
- **Output Power Factor**
  - 0.9
- **Output Power Factor (Destabilized)**
  - 0.7
- **Power Loss in Standby**
  - 0.05W
- **Power Loss in Full Load**
  - 10W
- **Power Loss in Battery Mode**
  - 1W
- **Power Loss in Standby**
  - 0.05W
- **Power Loss in Full Load**
  - 10W
- **Power Loss in Battery Mode**
  - 1W
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  - 10W
- **Power Loss in Battery Mode**
  - 1W
- **Power Loss in Standby**
  - 0.05W
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  - 10W
- **Power Loss in Battery Mode**
  - 1W
- **Power Loss in Standby**
  - 0.05W
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  - 0.05W
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  - 0.05W
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  - 10W
- **Power Loss in Battery Mode**
  - 1W
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  - 0.05W
- **Power Loss in Full Load**
  - 10W
- **Power Loss in Battery Mode**
  - 1W
- **Power Loss in Standby**
  - 0.05W
- **Power Loss in Full Load**
  - 10W
- **Power Loss in Battery Mode**
  - 1W
An optional SNMP module provides alarm traps over a LAN interface. The SABRE Series Communications Interface provides system connection to a computer via RS232 or USB for the purposes of monitoring, controlling or programming using the Winpower PC based software that provides a user friendly GUI interface.

The SABRE Series Controller, allows the user to monitor real-time system status such as output voltage, output current, alarm status, and control or programming using the Winpower PC based software that provides a user friendly GUI interface.

The MBS2U-100 is used with systems employing the STS10048 100A STS module and provides AC through a single bulk output. AC utility can be isolated via MCB. Bulk output or via eight IEC320 or NEMA outlet sockets with individual Magnetic Circuit Breakers. The DPMBS2U, used with systems up to 50A output capacity, provides two means of distributing AC to the load as standard; as a single bulk output at the system's input or via six IEC60320-13 or two IEC60320-20 outlets (DPMBS2U-E). Individual Magnetic Circuit Breaks on DPMBS2U models ensure that AC to the load cannot be inadvertently interrupted.

The DPMBS2U and MBS2U manual bypass and power distribution modules enable the user to manually switch between inverter output or utility output and to override the STS module for maintenance purposes. A mechanical interlock between these units and the STS module ensures that AC to the load cannot be inadvertently interupted.

customers can customize an inverter design to meet their application requirements and still benefit from delivery of a factory assembled and fully tested product that minimizes installation time. Customers can choose the number of inverter shelves and types of distribution as well as adding or removing STS, MBS and communication options.

The following shows how to build an alternate configuration part number:

- **Output Voltage**: 120 or 208VAC or 230 for 230VAC
- **Configuration options**: Choose one:
  - NO STS and Relay Alarms leave blank
  - 100A STS and Relay Alarms
  - 50A STS and Relay Alarms
  - NO STS and SNMP Alarm trap module
  - NO STS

To define a custom systems complete the following table:

<table>
<thead>
<tr>
<th>STEP</th>
<th>INSTRUCTIONS</th>
<th>SELECTION OPTION</th>
<th>SELECTION RU</th>
<th>EXAMPLE SELECTION RU</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Select the number of inverter shelves (each shelf is 3KVA)</td>
<td>1-6</td>
<td>1-6</td>
<td>TS501S 1</td>
</tr>
<tr>
<td>2</td>
<td>Controller Shelf/STS/Inverter alarm options, choose only one</td>
<td>S 1</td>
<td>S 1</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>NO STS and relay alarms (Select only one)</td>
<td>TS50</td>
<td>TS50</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>NO STS and SNMP alarm trap module</td>
<td>TS100S 1</td>
<td>TS100S 1</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>NO STS and Relay Alarms</td>
<td>TS100S 1</td>
<td>TS100S 1</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Controller + 100A STS</td>
<td>TS100S 1</td>
<td>TS100S 1</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Distribution Options chosen only one (Choose options as a 120/230V)</td>
<td>S 1</td>
<td>S 1</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>NO Distribution</td>
<td>S100S 1</td>
<td>S100S 1</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>NO Distribution</td>
<td>NO1S 1</td>
<td>NO1S 1</td>
<td></td>
</tr>
<tr>
<td>10</td>
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<td>D1E 2</td>
<td>D1E 2</td>
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</tr>
<tr>
<td>11</td>
<td>NO Distribution</td>
<td>D1E 2</td>
<td>D1E 2</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>NO Distribution</td>
<td>D1E 2</td>
<td>D1E 2</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>NO Distribution</td>
<td>D1E 2</td>
<td>D1E 2</td>
<td></td>
</tr>
</tbody>
</table>

**Example**: IX6U-5-1S100S-D1E-120

**Customer Customization Table**

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO STS</td>
<td>S100S 1</td>
</tr>
<tr>
<td>NO STS</td>
<td>NO1S 1</td>
</tr>
<tr>
<td>NO STS</td>
<td>D1E 2</td>
</tr>
</tbody>
</table>
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The MBS2U-100 is used with systems employing the STS10048 100A STS module and provides AC through a single bulk output. Output or via eight IEC320 or NEMA outlet sockets with individual Magnetic Circuit Breakers. The utility output and to override the STS module for maintenance purposes. A mechanical interlock between these units and the STS module ensures that AC to the load cannot be inadvertently interrupted.

The DPMBS2U and MBS2U manual bypass and power distribution modules enable the user to manually switch between inverter output or utility output and to override the STS module for maintenance purposes. A mechanical interlock between these units and the STS module enables the user to hot-swap the STS module.

DEFINING ALTERNATE & CUSTOM SYSTEM CONFIGURATIONS

Customers can customize an inverter design to meet their application requirements and still benefit from delivery of a factory assembled and fully tested product that minimizes installation time. Customers can choose the number of inverter shelves and types of distribution as well as adding or removing STS, MBS and communication options.

The following shows how to build an alternate configuration part number:

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<th>INSTRUCTIONS</th>
<th>SELECTION OPTIONS</th>
<th>EXAMPLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Select the number of inverter shelves (each shelf is 3kVA)</td>
<td>1-6</td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td>Control Shelf/STS/Inverter alarm options, choose only one</td>
<td>TS100S 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NO STS and Relay Alarms</td>
<td>Three blinks 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NO STS and SNMP Trap module</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NO STS and Relay Alarms</td>
<td>TS100 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NO STS and SNMP Trap module</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NO STS and Relay Alarms</td>
<td>TS100 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Controller, VIA STS</td>
<td>TS100 1</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Distribute options chosen only if selected above are 120VAC</td>
<td>D1E 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NO Distribution (120VAC)</td>
<td>three blinks 0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NO STS &amp; STS Shelf (120VAC)</td>
<td>D1E 2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NO STS &amp; STS Shelf (120VAC)</td>
<td>D1E 2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>No Inverter Shelf/STS/Inverter Alarm Options</td>
<td>D1E 2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3 Terminal Block - 1 bulk NEMA 5-15 (120VAC)</td>
<td>D1E 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>E Optional CB + 1 bulk NEMA 5-15 (120VAC)</td>
<td>D1E 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>E Optional CB + 1 bulk NEMA 5-15 (120VAC)</td>
<td>D1E 1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Sum total of D1E or D1N in the height column and the total goes in selection #4 to give the system total height in RU's</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>