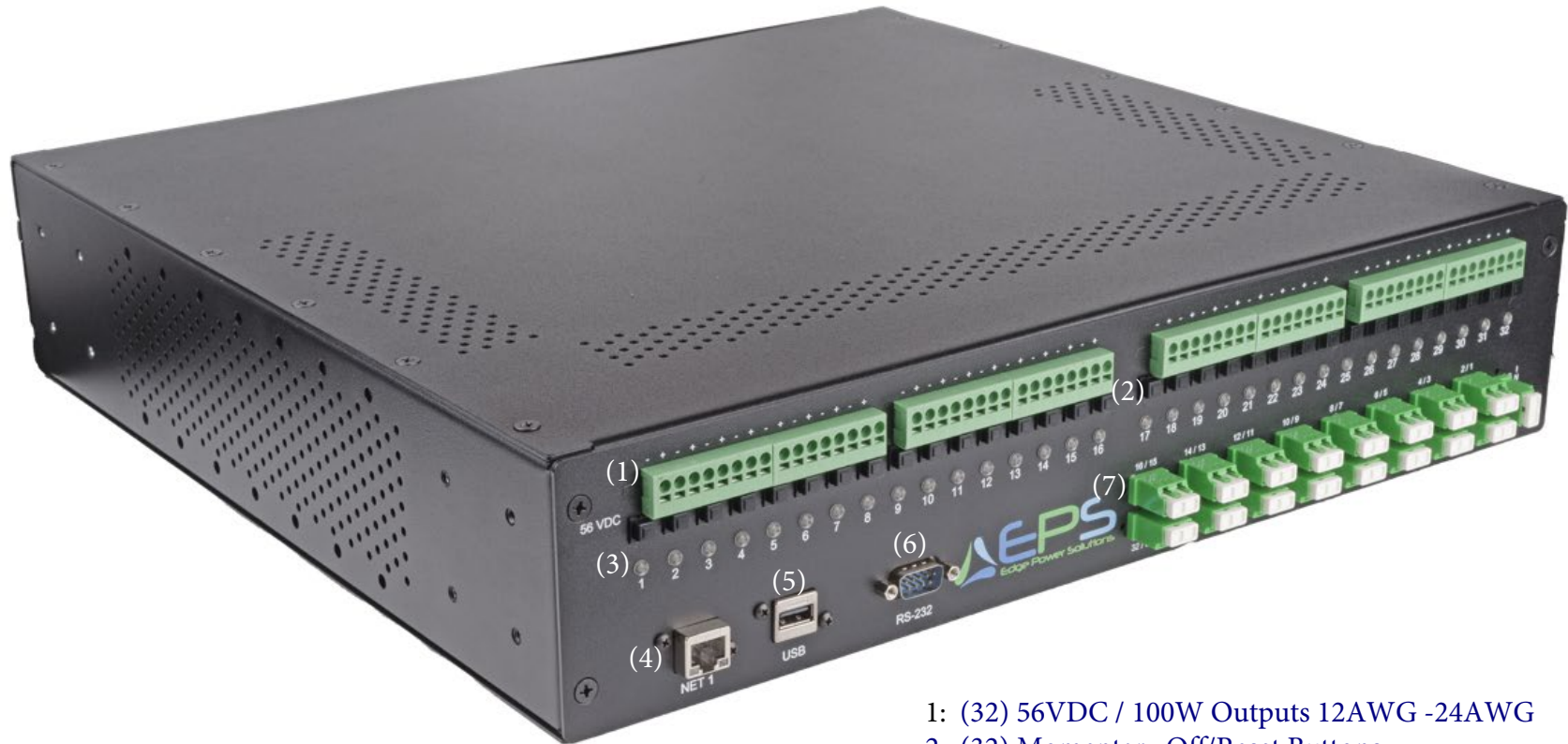


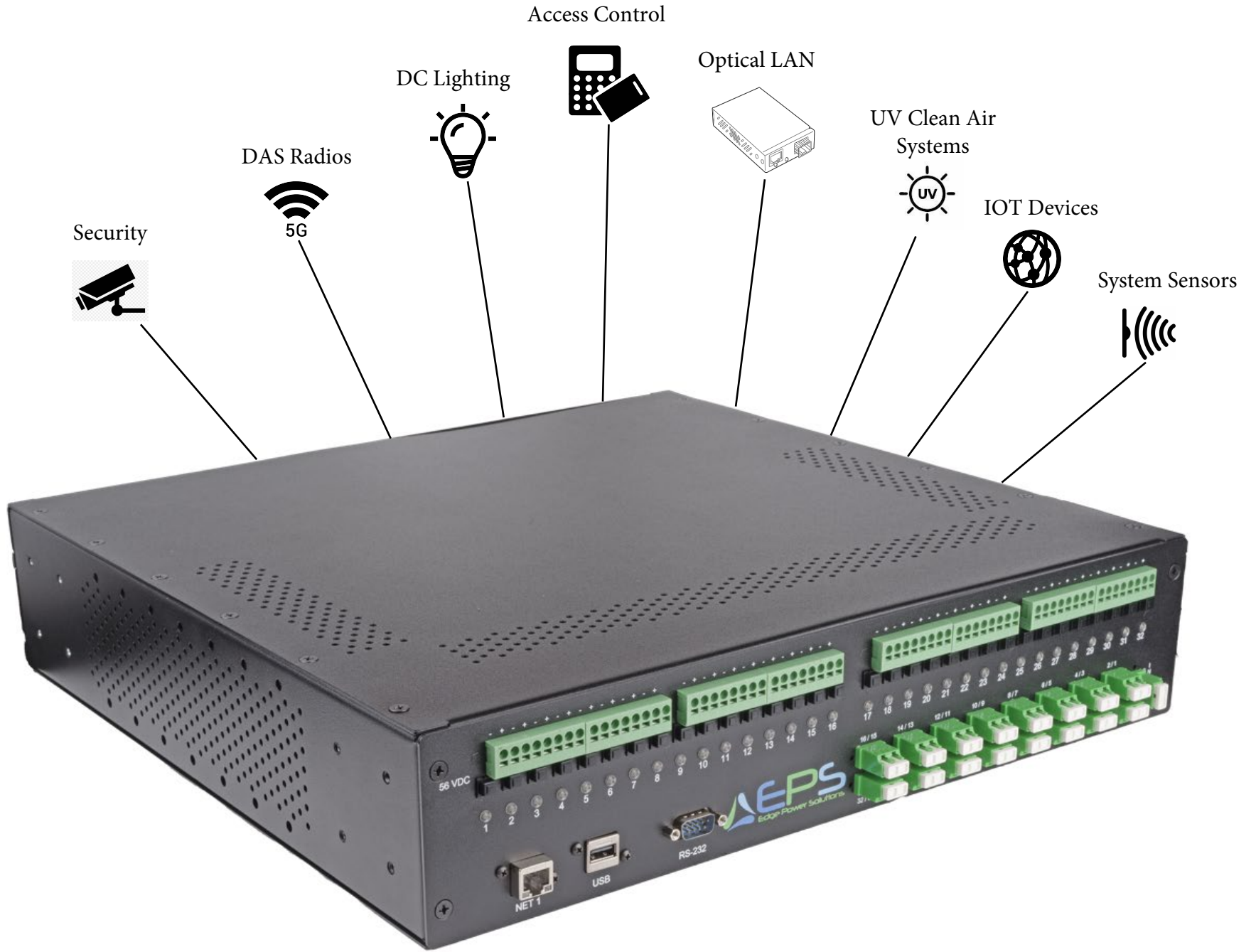
## IPS-32 INTELLIGENT POWER SERIES POWER DISTRIBUTION UNIT



## IPS-32 INTELLIGENT POWER SERIES POWER DISTRIBUTION UNIT



- 1: (32) 56VDC / 100W Outputs 12AWG -24AWG
- 2: (32) Momentary Off/Reset Buttons
- 3: (32) LED Status Lights -  
Green = ON No Light = OFF Red = Fault (Short - Over-current)
- 4: Network Connection
- 5: USB (Future Use)
- 6: Serial Connection
- 7: Optional Integrated 2x32 Optical Splitter



## FEATURES:

- Rack or Wall Mountable
- (32) Outputs
  - 12AWG – 24AWG
  - 56VDC
  - 100W Per Output
- Optional Integrated 2x32 LC/APC Fiber Optic Splitter
- Front Panel Reset Button & Indicators
- Ethernet, USB, and Serial Interface
- Software Controllable Outputs
  - Remote Programming
  - Remote Monitoring
  - Remote Output Control – On/Off/Reset
- Parallel Output Groups – Combine outputs for more power
- Intelligent Output Grouping – Group outputs for simultaneous control
- High Efficiency up to 92%
- Protections
  - Short
  - Over Current
  - Over Voltage

## CERTIFICATES:

- Conforms to ANSI-UL 62368-1
- Certified to CSA C22.2 No. 62368-1
- EMC FCC 47 CFR Part 15B, ISEDICES-003 Class A



## INPUT OPTIONS

### Option 1:

- Dual 120VAC -240VAC
- 12A / 7.5A 50/60Hz Each
- NEMA C19

### Option 2:

- Single 120VAC – 240VAC (Derating below 208VAC)
- 17.5A / 12.5A 50/60Hz
- NEMA C19

### Option 3:

- Dual High Voltage DC Interface 300VDC – 330VDC
- 6A Each
- Saf-D-Grid Locking Plug

### Option 4:

- High Availability Hot-Swap External Shelf
  - (3) 2000W Hot Swap Power Supplies
  - (2) 2000W Hot Swap Power Supplies
  - (2) 3000W Hot Swap Power Supplies
  - (3) 3200W Hot Swap Power Supplies

### Dimensions:

- (2RU) 3.50”H x 16”D x 17”W
- 23.2LBS (OPTION 1)
- 22.4LBS (OPTION 2)

### Environment:

- Working Temp: -35 to +45 Degrees C (See Note 1)
- Working Humidity: 20% to 90% RH non-condensing
- Storage Temp: -40 to +85 Degrees C 10%-95% RH
- Temp Coefficient: +/- 003% / Degrees C (0-50 Degrees C)
- Vibration : 10 – 500Hz, 2G 10min / 1 Cycle 60 Min each along X, Y,Z

**Note 1:** 1RU Ventilation space above and 3 Inches ventilation space on sides of unit.

## PART NUMBERS:

### IPS – 32 – x – y – z – (\*)

1. X =
  1. Dual 120VAC-240VAC Input
  2. Single 120VAC-240VAC Input
  3. Dual High Voltage DC Input
  4. Single High Voltage DC Input
  5. High Availability Option (Requires EPS External Power Shelf)
  
2. Y =
  0. No Optical Splitter
  1. Integrated 2x32 LC/APC Fiber Optic Splitter
  
3. z =
  0. No Network Communications Interface
  1. Integrated Network Communications Interface
  
4. \* = (W) Optional Wall Mount Cabinet Version

## INTELLIGENT POWER SERIES – WEB INTERFACE

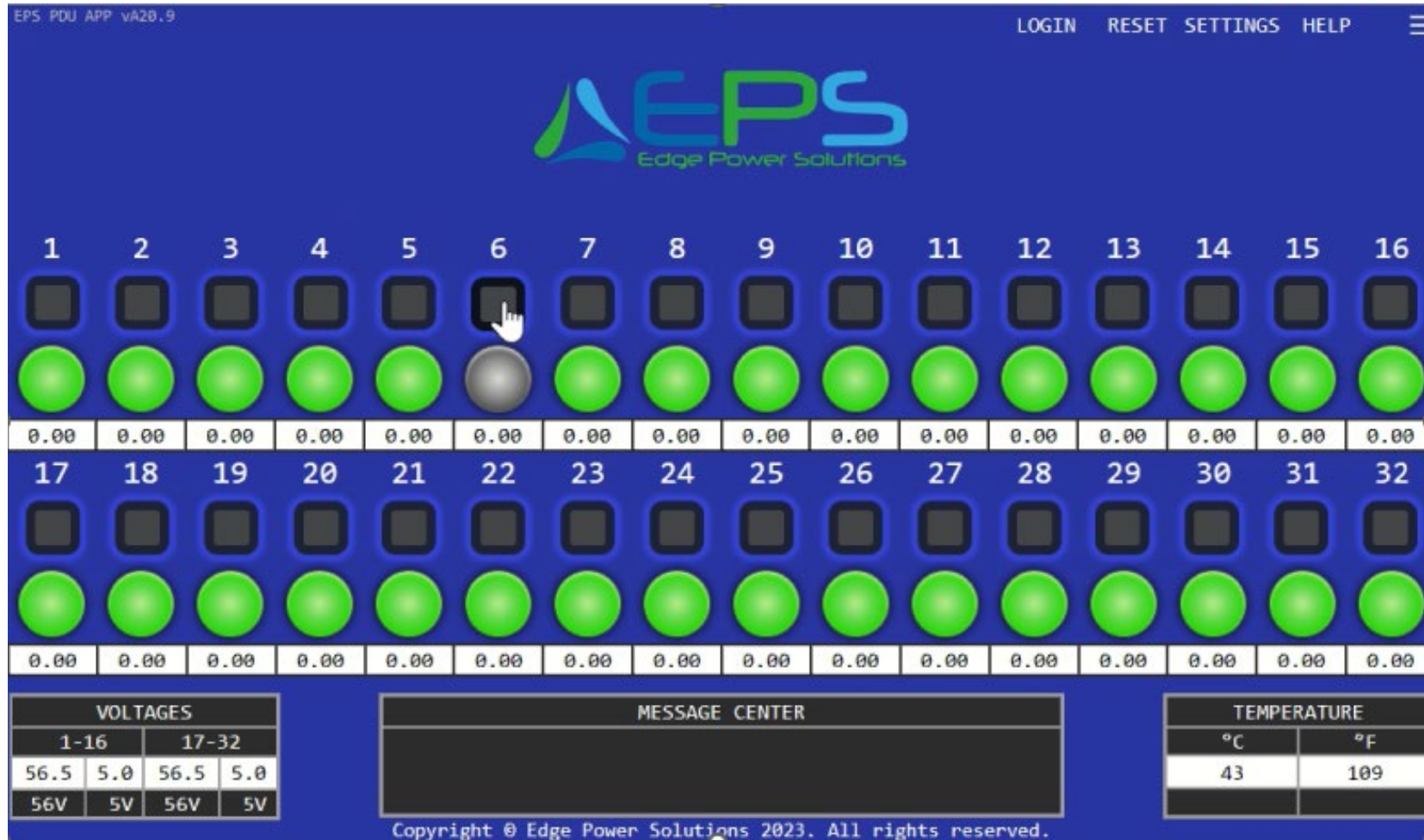
The screenshot displays the web interface for the Intelligent Power Series. At the top, it shows 'EPS PDU APP vA20.9' and navigation links for 'LOGIN', 'RESET', 'SETTINGS', and 'HELP'. The EPS logo is prominently displayed in the center. Below the logo, there are 32 ports, numbered 1 through 32. Each port has a status indicator (a green circle) and a control button. A mouse cursor is hovering over the control button for port 2, which is currently set to 'ON'. Other control buttons include 'OFF', 'RESET', and 'FAULT'. The interface also features a 'VOLTAGES' table, a 'MESSAGE CENTER', and a 'TEMPERATURE' table.

VOLTAGES			
1-16		17-32	
56.5	5.0	56.5	5.0
56V	5V	56V	5V

TEMPERATURE	
°C	°F
43	109

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- Drop-Down menu for each port to allow for setting the output power to an On/Off position or to RESET the port based on the programmed reset time.



- Simulated Front Panel Push Button:** Simulates the pushing front panel On/Off button by holding the mouse over button and holding down the “left click”. Releasing the “left click” simulates the releasing the front panel button and restores power to the output.



LOGIN RESET LINK SETTINGS HELP

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1.47	1.34	0.00	0.00	0.03	0.00	0.01	0.19	0.00	0.01	0.00	0.01	0.01	0.05	0.05	0.01

VOLTAGES	
1-16	
56.1	4.9
56V	5V

MESSAGE CENTER

TEMPERATURE	
°C	°F
22	72

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- **Output Current Display:** Displays the real time current draw on each port.





LOGIN RESET LINK SETTINGS HELP

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1.47	1.34	0.00	0.00	0.03	0.00	0.01	0.19	0.00	0.01	0.00	0.01	0.01	0.05	0.05	0.01

VOLTAGES	
1-16	
56.1	4.9
56V	5V

MESSAGE CENTER

TEMPERATURE	
°C	°F
22	72

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- **Chassis Temperature:** Displays the real time internal chassis temperature.



LOGIN RESET LINK SETTINGS HELP

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

1.47	1.34	0.00	0.00	0.03	0.00	0.01	0.19	0.00	0.01	0.00	0.01	0.01	0.05	0.05	0.01
------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------

VOLTAGES	
1-16	
56.1	4.9
56V	5V

TEMPERATURE	
°C	°F
22	72

MESSAGE CENTER

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- **Message Center:** Displays system events in real time.
  - Login / Logout
  - Interface Panel Initiated Events
  - Faults
  - Programming Changes & Updates
  - SNMP Information

## SETTINGS

CHANNELS
NETWORK
FIRMWARE
DISPLAY
UTILITIES

Ch	Label	Reset Time	Link	Startup	Ch	Label	Reset Time	Link	Startup
1	Test_1	3	A ▾	ON ▾	17	Channel_17	7	- ▾	ON ▾
2	Channel_2	3	A ▾	ON ▾	18	Channel_18	7	- ▾	ON ▾
3	Channel_3	7	- ▾	ON ▾	19	Channel_19	7	- ▾	ON ▾
4	Channel_4	7	- ▾	ON ▾	20	Channel_20	7	- ▾	ON ▾
5	Channel_5	7	- ▾	ON ▾	21	Channel_21	7	- ▾	ON ▾
6	Channel_6	7	- ▾	ON ▾	22	Channel_22	7	- ▾	ON ▾
7	Channel_7	7	B ▾	ON ▾	23	Channel_23	7	- ▾	ON ▾
8	Channel_8	7	B ▾	ON ▾	24	Channel_24	7	- ▾	ON ▾
9	Channel_9	7	B ▾	ON ▾	25	Channel_25	7	- ▾	ON ▾
10	Channel_10	7	B ▾	ON ▾	26	Channel_26	7	- ▾	ON ▾
11	Channel_11	7	- ▾	ON ▾	27	Channel_27	7	- ▾	ON ▾
12	Channel_12	7	- ▾	ON ▾	28	Channel_28	7	- ▾	ON ▾
13	Channel_13	7	- ▾	ON ▾	29	Channel_29	7	- ▾	ON ▾
14	Channel_14	7	- ▾	ON ▾	30	Channel_30	7	- ▾	ON ▾
15	Channel_15	7	- ▾	ON ▾	31	Channel_31	7	- ▾	ON ▾
16	Channel_16	7	- ▾	ON ▾	32	Channel_32	7	- ▾	ON ▾

VOLTAGES

1-16	17-32
56V	5V

MESSAGE CENTER

TEMPERATURE

°C	°F
----	----

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- **Label:** Set custom names for individual ports
- **Reset Time:** Set the amount of time a port remains off if a port reset is initiated from the main interface screen.
- **Link:** Allows for ports to be “logically” linked to act as one port. Example: All ports in the “A” group will react as a single port. If one port is reset, powered on, powered off or faulted, all linked ports will do the same. This feature is often used when paralleling outputs to provide more power to an end device or to control multiple connected devices such as DC lighting circuits simultaneously.
- **Startup:** Set port startup status in the event of a system-wide power outage. This feature is used in scenarios when powered devices need to be initialized in a specific order after a power outage.