Monitoring the Power System in the Cisco cBR Chassis

Revised: October 8, 2018

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Monitoring the Power System in the Cisco cBR Chassis Using LEDs

Table 1: Verifying the LEDs on the AC FPEM

LED	Status	Description
POWER ENABLE LED	Green	The chassis power is on.
	Off	The chassis power is off.

Note VER 01 of the AC FPEM has P0 AC PRESENT LED through P5 AC PRESENT LED. The PRESENT LEDs indicate input AC power for the corresponding AC Power Modules (also indicated on the front of the Power Module). Updated AC FPEM started shipping from April, 2018.

Table 2: Verifying the LEDs on the DC FPEM

LED	Status	Description
POWER ENABLE LED	Green	The chassis power is on.
	Off	The chassis power is off.
DC PRESENT LED	Green	The DC power input is present. **Note** This LED does not indicate that the power input is within the correct range.
	Yellow	The DC power input is reversed.
	Off	The DC power input is not present.

Table 3: Verifying the LEDs on the AC Power Module

LED	Status	Description
Input power LED	Green	AC input voltage is present and within the correct range.
	Blinking	AC input voltage is present and out of the acceptable range.
	Off	AC input voltage is not present.

LED	Status	Description
Output power LED	Green	The Power Module output voltage is on.
	Blinking	The AC Power Module is in a power limit or overcurrent condition.
	Off	The AC Power Module output voltage is off.
Fault LED	Red	Internal fault in the AC Power Module.
	Off	The AC Power Module is operating normally.

Table 4: Verifying the LEDs on the DC Power Module

LED	Status	Description
Input power LED	Green	Dual DC input voltages are present and within the correct range (-40 V to -72 V).
	Blinking	The DC Power Module is in single input operation mode and at least one DC input voltage is out of the acceptable range.
	Off	Dual DC input voltages are less than -26 V (or is less than -26 V for a single input operation mode).
Output power LED	Green	The DC Power Module output voltage is on.
	Blinking	The DC Power Module is in a power limit or overcurrent condition.
	Off	The DC Power Module output voltage is off.
Fault LED	Red	Internal fault in the DC Power Module.
	Off	The DC Power Module is operating normally.

Monitoring the Power System in the Cisco cBR Chassis Using CLI

show environment power—Displays the power consumption for each card and the power output for each Power Module. Following is a sample output:

```
Router# show environment power

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Slot    Controller       Value
------------------------------
3         FRU Power        340 W
P0        PEM Power        275 W
P1        PEM Power        220 W
P2        PEM Power        220 W
R0        FRU Power        410 W
```

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