



Powering New Generation Miners

Benefits of Utilizing a Crypto Minotaur in Mining Applications

The Crypto Minotaur is a 384 amp rated rack mounted PDU built specifically for mining applications.

Unparalleled Density

The Crypto Minotaur is packed with 24 x C-19 outlets that can be loaded with 20 amps each. Equipped with 12 banks of 50 amp switched circuit breakers, de-rated to 40 amps, the Minotaur can power up to 384 amps of single-phase load. Specially made splitter cables double the Minotaur's outlet capacity and streamlines the installation of S-19 and other dual input miners.

Lower Set Up and Installation Costs

Typical miner PDU setups require many small PDUs that leave a large portion of the outlets not utilized. The Minotaur reduces the amount of PDUs that need to be installed. This same benefit applies to the number of circuit breakers that need to be installed.

Future Proofed

C-19 outlets are the largest commercially available IEC standard outlet utilized for electronic equipment. The Minotaur allows the maximum power output of all 24 of its C-19 outlets simultaneously. When newer generation of miners are released, the Minotaur will be up to the task.

Remote Control

Optionally control each outlet via proprietary hardware and software. Communicate with the Minotaur via Ethernet with a webpage interface or an HTTP API.

USA Manufacturing

The Minotaur is designed, assembled, and tested in the USA. Local manufacturing and sourcing allows for quick lead times and fast, readily available, support. OEM and white labeling is available.

Crypto MINOTAUR

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Specification

Physical/Environmental

Description	Specification
Enclosure Type (rack, wall, standalone etc.)	0U
Dimension/size restraint	38 x 6 x 4
Material Type (aluminum/steel)	Alm/Stl
Operating Environment (temp, humidity, IP rating)	0-45C
Radiated EMI Protected Enclosure	No

Input Specifications

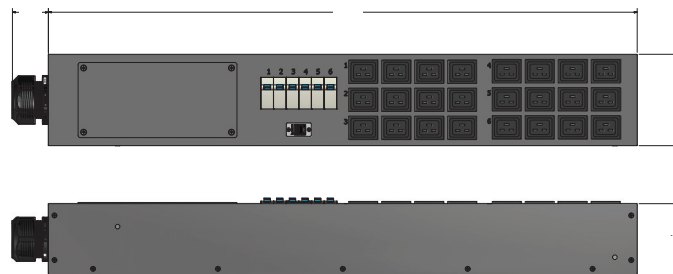
Description	Specification
Single or Dual Input	Single
Voltage	208V, 240V, 415V, 480V
Current	384 Amps
Input Connector	Internal Hardwire
Frequency (25Hz, 50Hz, 60Hz, 100Hz, 400Hz)	50/60Hz
Circuit Breaker (current rating and either switched standard, switched illuminated, switched standard with LED indication or push button pop breakers)	No
Circuit Breaker Type (UL 489, UL 1077)	N/A
Power Cord Type (SOOW, etc.)	N/A
Power Cord Length	N/A
LCD Meter (volts, amps, temp)	N/A

Output Specifications

Description	Specification
Type of outputs and quantity of each (NEMA, IEC, terminals etc.)	24 x C-13 OR 24 x C-19 OR 24 x 7-15R
Voltage	208V, 240V, 277V
Do the outputs need to be in specific banks?	Yes – 2 outlets per bank
LCD Meter (volts, amps, temp)	No
Circuit Breaker (current rating and either switched standard, switched illuminated, switched standard with LED indication or push button pop breakers)	12 x 50A Switched Circuit Breakers
Circuit Breaker Type (UL 489, UL 1077)	UL 1077
Do the circuit breakers need to be in specific banks?	Yes – 1 Circuit Breaker per 2 Outlets
On/Off switches for outputs (not current protected)	No

Control and Monitoring

Description	Specification
Communication Port Type (Ethernet, serial, USB, Wireless, 4G LTE)	Optional
Communication Protocol (Webpage IP Addressable, SNMP, HTTP API Commands, Standalone Windows Software)	Optional
Control (on/off control for each output, total system or a specific group of outputs)	Optional
Monitoring (temp, humidity, current, voltage for each output, total system or a specific group of outputs)	No



Installation, Warnings, & Usage Instructions

128A Power Strip RPS-PDU-CM-5

NOTE: Before installation read these instructions carefully and completely. These installation instructions can not cover every possible installation, operation or maintenance situation.

NOTE: This Power strip is constructed in accordance with UL 62368-1.

WARNING: Never work on power strip if power is applied!

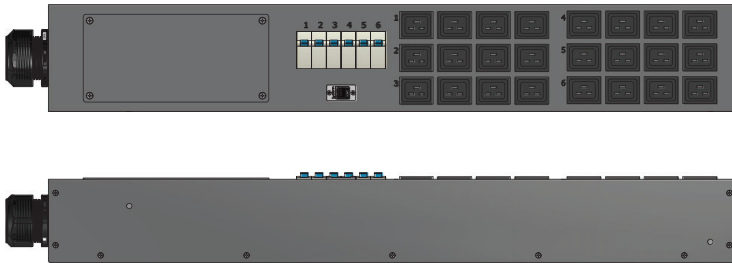
WARNING: Do not exceed 60C ambient operating temperature.

Usage Instructions

1. Prior to applying power on mains put all output circuit breakers into the OFF position.
2. Apply power via upstream 150A (wye) per phase UL 489 circuit breaker.
3. Set output circuit breakers to the ON position in the corresponding banks that are to supply power to connected loads.

Mounting Instructions

1. Power strip is to be permanently mounted with vendor supplied mounting brackets.
2. Use only supplied hardware for mounting
3. To be installed by a qualified personnel according to local code



Input Power Connection

1. Remove access panel located at top of unit.
2. Insert power cord through top entry strain relief.
3. Power cord should be a minimum of 1/0 per conductor.
4. Attach bare wire ends of the conductors and ground to the corresponding contact and hand tighten.
5. Replace access panel cover.

Electrical Precautions

1. Do not exceed 128 amps on any single input connector.
2. Ensure input and output power connections are secure.
3. Never detach input or output power while load is active.
4. Only supply power that is circuit protected upstream to a maximum of 150A.
5. Disconnect device shall be provided as part of the building installation



WARNING: Reduced Air Flow - Installation of the equipment in a rack should be such that the amount of airflow required for safe operation of the equipment is not compromised.



WARNING: Mechanical Loading - Mounting of the equipment in the rack should be such that a hazardous condition is not reached due to uneven mechanical loading.



WARNING: Circuit Overloading - Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on over-current protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern. For North America permissible loads, refer to Article 210.23 of the National Electrical Code.



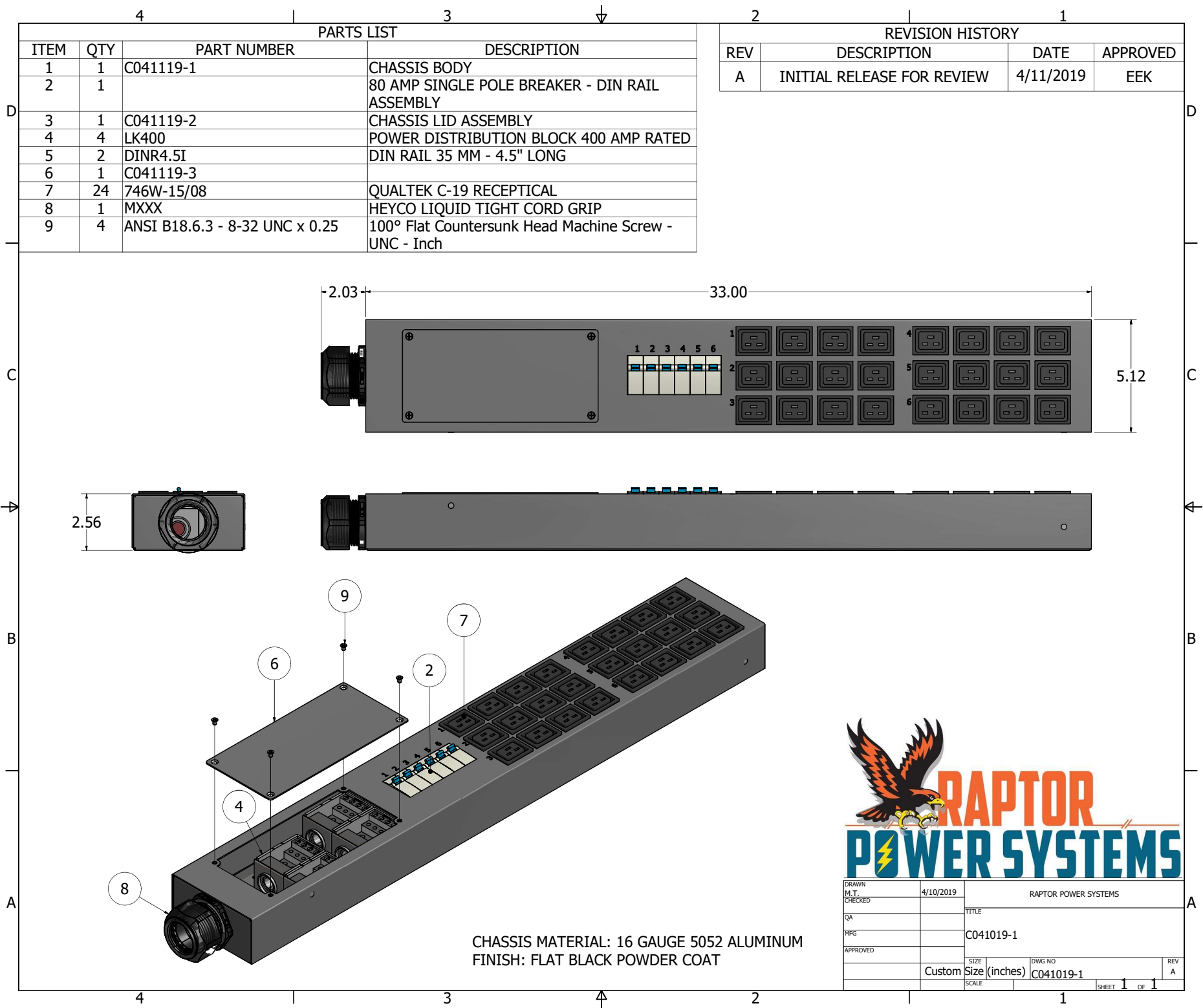
CAUTION: Failure to properly ground this PDU or fully insert the PDU into the equipment rack can create a hazardous condition to the installer and the equipment.



CAUTION: Prior to connecting input power cables, ensure that the upstream power is turned off.



WARNING: Elevated Ambient Temperature - If installed in a closed or multi-rack unit assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Considerations should be given to installing the equipment compatible with the maximum rated ambient temperature.



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	C041119-1	CHASSIS BODY
2	1		80 AMP SINGLE POLE BREAKER - DIN RAIL ASSEMBLY
3	1	C041119-2	CHASSIS LID ASSEMBLY
4	4	LK400	POWER DISTRIBUTION BLOCK 400 AMP RATED
5	2	DINR4.5I	DIN RAIL 35 MM - 4.5" LONG
6	1	C041119-3	
7	24	746W-15/08	QUALTEK C-19 RECEPTICAL
8	1	MXXX	HEYCO LIQUID TIGHT CORD GRIP
9	4	ANSI B18.6.3 - 8-32 UNC x 0.25	100° Flat Countersunk Head Machine Screw - UNC - Inch

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE FOR REVIEW	4/11/2019	EEK



DRAWN	M.T.	4/10/2019	RAPTOR POWER SYSTEMS	
CHECKED			TITLE	
QA			C041019-1	
MFG			C041019-1	
APPROVED			C041019-1	
	Custom	Size (inches)	DWG NO	REV
	SCALE		C041019-1	A
			SHEET 1	OF 1

