



# DCRACK

Product Manual

Version: V1

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**BITMAIN**

BITMAIN TECHNOLOGIES INC.

## Specification

<b>Product Glance</b>	<b>Value</b>
Model	<b>DCRACK</b>
Version	<b>V1</b>
Capacity	<b>47U</b>
Maximum load, <b>kW</b>	<b>36</b>
PUE@25°C ambient, 25°C air supply <sup>(1-1)</sup>	<b>1.17</b>
Supply air temperature for classic server, °C	<b>18~27°C</b>

<b>Detailed Characteristics</b>	<b>Value</b>
<b>Part 1: Server Cabinet</b>	
<b>Hardware configuration</b>	
Size (Length*Width*Height), <b>mm</b> (without package)	<b>1,600*1,200*2,350</b>
Size (Length*Width*Height), <b>mm</b> (with package)	<b>1,720*1,300*2,400</b>
Net weight, <b>kg</b> (without package)	<b>668</b>
Gross weight, <b>kg</b> (with package)	<b>686</b>
Network connection mode	<b>RJ45 Ethernet 10/100M</b>
<b>Power supply</b>	
Power supply AC input voltage, <b>Volt</b> <sup>(2-1)</sup>	<b>380~415V AC</b>
Power supply AC input frequency range, <b>Hz</b>	<b>50~60</b>
Maximum power supply AC input current, <b>Amp</b> <sup>(2-2)</sup>	<b>63</b>
<b>Fan</b>	
Rated power, <b>W</b>	<b>2,500</b>
Noise, <b>dBa@1m</b>	<b>85</b>
Size (Length*Width* Thickness), <b>mm</b>	<b>378*378*375</b>
Number of fans	<b>3</b>
<b>Part 2: External Cooler</b>	
<b>Hardware configuration</b>	
Size (Length*Width*Height), <b>mm</b> (without package)	<b>1,896*1,026*2,180</b>
Size (Length*Width*Height), <b>mm</b> (with package)	<b>2,000*1,130*2,360</b>
Net weight, <b>kg</b> (without package)	<b>396</b>
Gross weight, <b>kg</b> (with package)	<b>414</b>
<b>Power supply</b>	
Power supply AC input voltage, <b>Volt</b> <sup>(2-1)</sup>	<b>380~415V AC</b>
Power supply AC input frequency range, <b>Hz</b>	<b>50~60</b>
Maximum power supply AC input current, <b>Amp</b> <sup>(2-2)</sup>	<b>63</b>
<b>Heat pump</b>	
Rated power, <b>kW</b>	<b>8.5</b>
COP (typical)	<b>4.75</b>

Refrigerant	<b>R410A</b>
<b>Fan</b>	
Rated power, <b>kW</b>	<b>1.85</b>
Noise, <b>dB(A)@1m</b>	<b>82</b>
Size (Length*Height*Thickness), <b>mm</b>	<b>805*805*211</b>
Air flow, <b>m<sup>3</sup>/h</b>	<b>12,940</b>
Number of fans	<b>2</b>
<b>Refrigerant pump</b>	
Rated power, <b>W</b>	<b>550</b>
Flow rate, <b>m<sup>3</sup>/h</b>	<b>1</b>
Pump head, <b>m</b>	<b>48</b>
Size (Length*Width* Height), <b>mm</b>	<b>420*152*202</b>
<b>Environment requirements</b>	
Ambient temperature, <b>°C</b>	<b>-20~45°C</b>
Installation distance (max), <b>m<sup>(2-3)</sup></b>	<b>50</b>
Storage temperature, <b>°C</b>	<b>-20~70</b>
Operation humidity(non-condensing), <b>RH</b>	<b>10~90%</b>

### Notes:

- (1-1) The typical PUE is tested at 25°C ambient and 25 °C air supply, without water curtain.
- (2-1) Caution: Wrong input voltage may cause server damaged.
- (2-2) Three-phase AC input.
- (2-3) The distance between server cabinet and external cooler.