325kW Hash Generator

SPECIFICATION

SHEET

Genset Specifications

Electrical	Prime Power Rating	392kW
	Continuous Power Rating[1]	325kW
	Voltage	416-480V P-P, 240-277V P-N, WYE
	Frequency	60Hz
	Full Load Current	624A (416V), 589A (480V)
	Power Factor Rating	.8PF
	Alternator Efficiency	93.7%
	Main Circuit Breaker Rating	800A, 80% Continuous
Engine	Manufacturer	Mesa Natural Gas Solutions
	Displacement	21.9L
	Cylinder Arrangement	V-Series, 12-Cylinder
	Aspiration	After cooled, forced induction
	Engine Horsepower Rating	589HP
	Fuel Type	Natural Gas
	EPA Certification	Yes
Fuel	Inlet Pressure	5 PSI Min, 50 PSI Max, 25 PSI Nominal
	Inlet Connection	2” NPT Female
Fuel Consumption[2]	100%	121 MCFD
	75%	91 MCFD
	50%	61 MCFD

Loadcenter Specifications

Cooling	Intake Fan Quantity	4
	Intake Fan Flow Rate	20,500 CFM
	Intake Fan Motor Rating	5 HP
	VFD Rating	25 HP
Racks	Quantity	4
	PDU Outlets	96 - PA45(P33) 6-Pin
	PDU Outlet Rating	25A, 80% Continuous
	Shelf Quantity Per Rack	4
	Shelf Dimension	51.9” x 12” (W x H)
	ASIC Compatibility[3]	M30, M50, M60, S21, S21 Pro, S21 XP
Ancillary Load	Cooling Maximum	14kW
	Networking, Control & Lighting	0.5kW

Building Specifications

Building	Type	Steel building (self-framer, skid mounted)
	Handling	Lifting lugs / eyes in skid base
	Access	(2) Steel man-doors w/ panic hardware
	Dimensions	28’ x 10’ x 9.5’ (L x W x H)
	Weight	17,500LBS (Estimated)

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Product Features

Standard	Power distribution switch gear
	Networking hardware (unmanaged)
	Heat management attachments
	Smart PDU's (Power Distribution Unit)
	Fuel gas scrubber
	LoadSync™ with HMI control screen
Loadcenter	Elevated ASIC racking, preventing debris from reaching ASIC's
	Up to 24 ASICs per rack
	Powered exhaust dampeners, keeping ASIC's safe when not in operation
	4' wide center aisle for ample working space and safe egress
	Intakes have external pre filter and internal primary filter
	Each intake fan has an electrical disconnect for safe service
	Direct drive motors per intake fan for minimal maintenance and more reliability
	Intake fan motors are in the cold section of the building, not subject to high ASIC exhaust
	Fan speed fully automated or manually controlled through LoadSync™
LoadSync™	Remote control and monitoring of the entire system
	Engine and electrical real time data
	Cooling fan automation and control
	PDU automation and load control
	ASIC monitoring
	Historical data trends and alarm history

Product Options

Sound attenuating liner & attachments
Custom building colors
Hospital grade mufflers
Downgrade to basic PDUs
Removal of LoadSync™ system
Certification Label (CAN/US)
Other customizations available upon request

[1]Total loading should target the continuous power rating for the best overall operational efficiency. Use the formula, Total Loading = (Continuous Power Rating – Ancillary Load) / ASIC Load Rating. ASIC clocking may need to be adjusted to operate at full PDU outlet capacity. In low ambient conditions, where the cooling fans are not required, higher ASIC load might be possible.

[2]Fuel consumption is based on a proportional relationship with prime power output, assuming optimal efficiency conditions. These estimates are provided to assist in planning and operational efficiency.Actual fuel consumption will vary based on specific operating conditions.

[3]ASIC compatibility is based on published specifications from WhatsMiner and Antminer. Upstream data is not responsible for ASIC suppliers not adhering to their published specifications (e.g., higher power consumption, increased air flow requirements, etc.). Contact sales for other ASIC compatibility.

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