



PHOS KRONOS 1020 PMS - 1.55MWH

TECHNICAL DATA SHEETS (rev2)

SPECIFICATIONS	DETAILS
Design	
Life Expectancy	> 25 Years With 3 Year Maintenance & System Monitoring
Cycle Capacity	15,000 Cycles - Full Depth Of Discharge(70% - End Of Life)
Warranty	Renewable 3 Year Intervals With Maintenance Schedule
Maintenance Contract	Optional - Renewable 3 Year Intervals With Maintenance Schedule
Unit Rating	
Charging - Discharging Schedule	2 Hour Discharge, 2 hour Charge at Full Power
Storage Capacity	1548 kWh
Rated Power Capacity	774 kW
Input	
Input Voltage	480 VAC, 3 Phase
Voltage Range	±5% of nominal
Input Frequency	60 Hz or 50 Hz
Harmonic current distortion	<5%
Generator Input	780 KW, 480 VAC, 3 Phase
Solar Input	1200 KW, (180 - 1000 VDC) 36 amp/string x 80 strings
Output	
Output Voltage	480 VAC, 3 Phase
Voltage Range	<1% Constant 480 V
Output Frequency	60 Hz or 50Hz
Wave Form & Distortion	Pure Sine Wave, Total Harmonic Distortion <3% @ 0-100% Linear Load
Nominal Output Rating	774 kVA Continuous Power
Power Filtering	100% AC Pure Sine Wave - Grid Isolated
Stand By Loss	2% per 7 Days (Week)
Response Time During Grid Failure	< 5 milli-seconds
Power Control	Switch - Circuit Breaker (Fused)
Energy Storage	
Charging Duration	2 Hour Or longer (Load Dependent)
Discharging	2 Hour Or longer (Load Dependent)
Efficiency	97%
Round Trip Efficiency (Storage)	92%
Mechanical	
Materials	Steel Container 99% Recyclable
Safety	Real Time Integrated Computer Sensor Monitoring System 3 Step Password Protection - 2 Online Offsite & 1 Offline Onsite
Physical Data	
Housing	ISO Container
Height	96 Inches - (8 Feet)
Width	96 Inches - (8 Feet)
Length	240 Inches - (20 Feet)
Gross Weight	45,000 lbs.
Cable Entry & Exit points	Side
Cable Entry & Exit Connections	Nema Minimum IP65 Rated - Pin & Sleeve Receptacle - (Plug & Play) / Disconnect Switch / Junction Box
Service Access Points	Side - Environmentally Sealed Doors
Internal Insulation	Yes

SPECIFICATIONS	DETAILS
Environmental	
Operating Temperature Range	(-40 to 50 deg. C) - (-40 to 122 deg. F)
Storage Temperature	(-20 To 45 deg C) - (-4 To 113 deg F)
Humidity	Up To 95% Non Condensing
Instillation	Above Or Below Grade In Adequate Container
Seismic Capability	Real Time Integrated Computer Health Sensor Monitoring System
Noise Level	50 dBA @ 3 Feet
Altitude	Up to 3000 Feet (914m) - 1 Deg C Derating per 1000 Feet Above 3000 Feet
Running Emissions	None
Communications & Monitoring	
Operation	Limited Remote Operation from Offsite Operator
	Limited Local Operation from Onsite Technician
	Self Managed Based On Frequency
Monitoring	Industrial Ethernet (TCP/IP), Cellular (4G/5G LTE - WWAN), and Satellite Connectivity for remote and off-grid applications
Data Storage	Full Trending & Analysis Available - Data Stored Locally & Offsite
Control System Interface	Modbus & CAN bus Protocol

FOR MORE INFORMATION

CALL 929-998-0090

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