

24/48/110/220V DC

PMIGESS DC Uninterruptable Power System has been designed for industrial applications; oil & gas, power generation, telecom, chemical industries and industrial process control.

LOW-COST DC SYSTEM has been developed to withstand harsh environment and operating conditions of industrial applications with state-of-the-art technology using 'High Frequency Switching' to provide reliable solutions with high MTBF.

Applications

- Power Generations
- Power Utility
- Oil & Gas
- Chemical Industries
- Telecom



FRONT VIEW



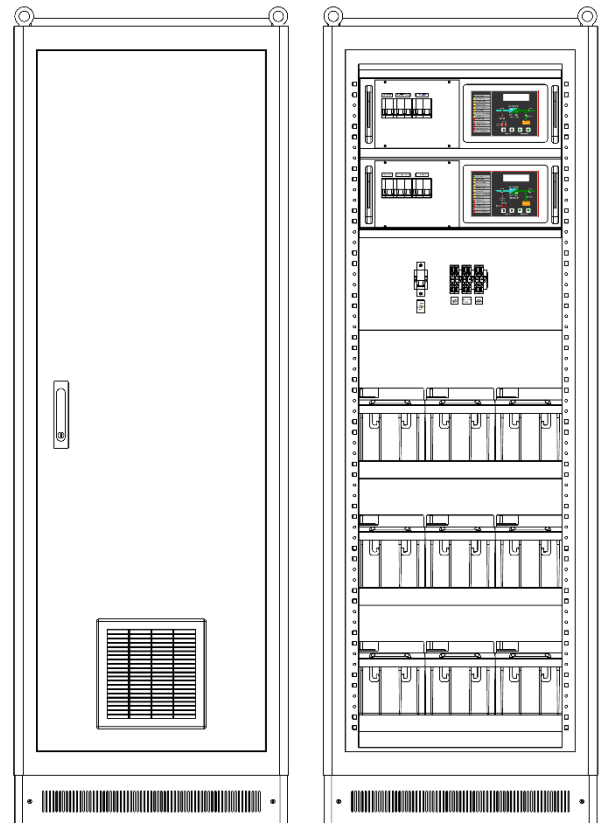
BACK VIEW

Main Features

- LCD Display and Data Interface for Monitoring
- High Frequency Topology
- Single or Redundant Configurations
- Wide DC Range for Ni-Cd Batteries
- DC Output Ripple $\leq 1\%$
- Input Power Factor $\geq 0,8$

Main Options

- Dropper Output Voltage Protection
- Low Voltage Disconnection (LVD)
- RS-232/RS-485/Ethernet Port/SNMP/WEB Interface
- Remote Control Software
- Built-in DC Distribution
- Built-in Battery Bank
- Additional Analog Meters
- DC Earth Fault Monitoring
- Temperature Compensated Battery Charging



FRONT VIEW
REDUNDANT OPERATION
WITH BATTERY GROUP

DC TECHNICAL DATA

General

DS System Voltage (V)	24V	48V	110V	220V
Rating(A)	30/50A	30/50A	30/50A	10/20A
Single Power (W)	720/1200W	1440/2400W	3300/5500W	2200/4400W

Input

Input Voltage	220/230/240VAC 1-Phase (±15%) 380/400/415VAC 3-Phase (±15%) 50/60Hz (±5%)
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Power Factor/Input

THDI	PF=0,8 / THDI<30% at 100%Load
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Output

DC Voltage Range (V)	24-30VDC	48-60VDC	90-160VDC	180-260VDC
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Operating Battery Voltage	Floating: 2.27(VLRA), 2.2-2.3(VLA), 1.4-1.5(Ni-Cd) V/cell (adjustable)
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	Boost: 2.4-2.45(VLA), 1.5-1.65(Ni-Cd) V/cell (adjustable)
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System

Alarm LED Indications	Low Battery, Line Input OK/FAIL, Rectifier Failure, Over Temperature, Rectifier Over Voltage, Load MCB ON/OFF, Battery MCB ON/OFF, Earth Fault
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User Interface	Front Panel: LCD Display, Button Control, Mimic Diagram
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Dimensions (HxWxD)	215x490x490mm
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Input/Output

Protection	MCB with Auxiliary Contact
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Cooling	Forced Fan
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Color	RAL7035
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Protection Class

(IEC 60529)	IP21
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Output Ripple	<1% at Full load
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Efficiency	1-Phase>80%, 3-Phase>90% at Full Load
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Environmental

Operating

Temperature	[-10°C/+40°C] (optional up to 55°C with derating)/St
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Altitude	<2000M (derating according to EN 62040-3)
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Audible Noise at 1 meter (dBA)	≤60dB
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Input/Output

Galvanic Isolation	2000VAC/DC
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Optional Parts

Redundant Operation with Battery Group

Shelf Cabinet

Dimensions (HxWxD)	1950x650x700mm
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Cooling	Forced Fan
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Shelf Cabinet Color	RAL7035
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Shelf Cabinet

Protection (IEC

60529)	IP21
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Communication

Display	7" TFT Touch Screen
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Standards	Test and performance: IEC EN 60146-1-1
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