

Portable Emergency DC UPS

Compact and portable design.

Complete solution for avoiding DC power loss.

Uses light-weight, high efficiency lithium batteries with removeable modules.

Easy to deploy/ portable.

Provides dual DC output power, 110V/20A and (24V/25A or 48V/25A).

Allows technicians to restore site DC power without stress.



Magellan's new emergency DC UPS is a complete solution for avoiding any loss of DC power in substations.

The unit is light, compact and portable. It combines an advanced, integrated, reliable battery charging system and light weight, high efficiency Lithium batteries, along with an integrated intelligent battery monitoring system (BMS).

The charger operates from 240VAC, providing dual uninterruptible 110VDC, 24VDC or 48VDC power.

The unit is to be kept connected to mains at all times when it is not being used to make sure that the batteries are charged and are available at full capacity when needed, this portable DC UPS then allows technicians to restore the site DC power without stress.



Portable Emergency DC UPS

TECHNICAL SPECIFICATIONS

Float Voltage	115.2V		
Nominal Power	2400W		
Input Supply	Single Phase 240V± 10% 50Hz ±5% Via 3 Pin Plug		
Output Voltages - Via Anderson Plugs	24V	48V	110V
Noise and Ripple	< 0.5% specified at full load and without battery connected		
Static Voltage Regulation	± 1% for 0-100% load variation, ± 10% AC input voltage variation and 5% AC input frequency variation.		
Dynamic Voltage	5% for load variation of 10% to 100% or 100% to 10%		
Current Regulation	± 1%		
Protection	Input Circuit Breaker, Short Circuit, Output Circuit Breaker, Input Shunt Trip		
Power Factor	0.99 to 0.995 measured at full load and 220V input		
Metering	Charger Voltage, Charger Current, Battery Voltage, Battery Current, Cell Voltage, Battery Temperature *meter accuracy ±5%		
Environmental	0-45°C, up to 95% humidity		
Communications	USB, RS485 & Ethernet		
Psophometric Noise	2mV: 300Hz-3400Hz		
Wide Band Noise	50mV: 3.4Khz-150KHz		
	20mV:0.15Mhz-30Mhz		
EMC	AS 2064-1997		
Efficiency	90% at Full Load		
Audible Noise	<60dB		
Cooling	Forced Air		
Dimensions	605mm D x 600mm W x 1170mm H		
Weight	Approx 80kgs without batteries Approx 145kgs with batteries		

BATTERY SPECIFICATIONS: LiFePO4

Number of Cells	32 x 60Ah
Type	LiFePO4, Lithium Iron Phosphate
Number of Modules	3
BMS	Magellan Passive
Weight of each module	25kg

