



UPS24 Skid Series

DATA SHEET

UPSPro® Skid

Features

- **Low Cost Complete Backup Power Solution** for On-Grid or Off-Grid operation. Fully Assembled. Sets up in minutes.
- **Weatherproof Outdoor Locking Enclosure** with High Performance Sealed Lead Acid or Wide Temp Lithium Battery. Thermostatically Controlled Ventilation.
- **Solar Ready™ MPPT Temperature Compensated Solar Charge Controller:** 60A Solar, 30A Load, 99% Efficiency.
- **Complete Remote Monitoring and Control** – Email Alerts and Manual/Automatic Reboot. Monitor Solar Voltage & Current, Battery Voltage & Current, Load Current, Temperature. Disconnect Load Power.
- **Pneumatic Four Position (8ft, 11ft, 14ft, 17ft) Locking Aluminum Extension Mast** for up to 110lb load. Raises fully in about 90 seconds using the integrated pneumatic pump.
- **Regulated 12VDC, 56VDC and Un-regulated 24VDC Output at Top of Mast.** Includes surge protected Gigabit 5 port PoE Layer 2 Switch with one 90W 802.3bt PoE Port, three 802.3at PoE+ Ports and one 24V Passive PoE Port, all at top of pole. Dual CAT6 Shielded connections between top of mast and battery enclosure.
- **Protected, Secured Wiring and Blue Strobe Lights** to deter vandals.
- **Dual Charging. Convenient Backup Generator or Grid Power Port.** Charge batteries using solar or AC power.
- **Can be Moved with Forklift or Pallet Jack.** Four Support / Leveling Jacks.
- **Extra Interior Enclosure Space**
- **Galvanized Welded Steel Tube/Plate Construction.**



Applications

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|----------------------------|----------------------------|--------------------------|
| • Construction Sites | • Surveillance Cameras | • Concerts and Festivals |
| • Equipment Yards | • Off Grid Power on Demand | • Air Quality Sensors |
| • Remote Lighting | • Emergency Power | • Remote Pumping |
| • Agriculture Applications | • Wireless Equipment | • Forest Fire Monitoring |

Specifications

Batteries		Extension Mast	
Battery Voltage	24VDC	Type	Pneumatic Locking Aluminum
Lead Acid Battery Type - AGM	Maintenance Free Non-Spillable Valve Regulated Sealed Lead Acid Typical 5+ Years Life	Lock Positions (4)	8', 11', 14', 17' (2.4, 3.4, 4.3, 5.2m)
Lithium Battery Type - LFP	Wide Temp LiFePO4 Lithium Typical 10+ Years Life	Time to full extension	90 seconds Typ (using included integrated air pump)
Solar / Charge Controller		Top Mounting Area	36" x 2.1" diameter (914 x 53mm)
Type	MPPT – Temperature Compensated, 60A Solar Input, 30A Load Output	Top of Mast Enclosure	
Self Consumption	<1W	Type	Aluminum Die Cast
Overcharge Protect	32V	Interior Size	10 x 7.75 x 3" (254 x 197 x 76mm)
Equalize Charge	29.2V	Voltages Available (16AWG Wire)	12VDC 15A Regulated, 56VDC 5A Regulated, 24VDC 15A Unregulated
Bulk Charge	28.8V	PoE Ports	5 Port Layer 2 Gigabit PoE Switch Port 1 = 90W 802.3bt PoE Port 2-4 = 802.3at 30W PoE+ Port 5 = 24VDC 12W Passive PoE
Float Charge	27.6V	Equipment Enclosure	
Over-discharge protect	22V	Type	Vented Locking Powder Coat Steel
Over-discharge recover	24V	Internal Size	48" x 21" x 20" (1219 x 533 x 508mm)
Remote Access	Ethernet via TPDIN3 Monitor WiFi – Internet connected router req'd Mobile – Cellular router with carrier account SIM req'd	Voltages Available Inside Enclosure	56VDC 5A Regulated, 24VDC 30A Un-Regulated, 12VDC 20A Regulated
AC Charging		Portable Skid	
Input	110/240VAC (Switchable), 50/60Hz, 10A	Construction	Welded Steel, Powder Coat Painted.
Remote Monitoring		Overall Size	48" x 82" (1219 x 2083mm)
Type	Web Based, SNMP, 4 Channel	Stabilizing Lifts (4)	7000lb (3175kg), 15" lift range 2x fixed position lifts 2x outrigger lifts (24" extension)
Parameters Monitored	Solar Panel Volts and Current, Battery Volts and Current, Load Current, Temperature	Misc	
Controls	Connect / Disconnect Load Output, manually or automated based on programmable rules.	Operating Temp	-22°F to 140°F (-30°C to +60°C)
Alerts	Email alerts based on user programmable rules	Wind Speed Rating	110 MPH (49 m/sec)
		Warranty	3 Years

System Ordering:

Model #	Battery Type	Maximum Output	12V Battery Capacity	Backup Capacity	Backup Time at 1kW Output	Grid Charge Time*	Skid Weight
UPS24-1440-Skid	AGM	1.4kW	1440Ah	17,280Whr	9hr	14hr	1603lb (727kg)
UPS24-1600L-Skid	LFP	1.4kW	1600Ah	19,200Whr	14hr	14hr	1239lb (562kg)

*@50% discharge

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