

# SolarPack

**iNetVu**<sup>®</sup>

by C-COM Satellite Systems Inc.

## TECHNICAL SPECIFICATIONS

The iNetVu SolarPack is a rugged, portable solar power system that can supply up to 600W of quiet AC power for fast-deployment, multi-day situations. The S1600 is ideal for communication and/or electronic equipment where reliable, high quality power is required.



- Provides reliable, high-quality AC or DC current
- Compact, complete system to provide independent, clean and quiet power supply
- Rugged, weatherproof, wheeled case with stainless steel bearings and a retractable handle plus two side handles for efficient handling
- Modular, hot-swappable and easily scalable by adding extra modules
- Full Featured Battery Monitor
- Automatic overload shutdown, over-temperature and high surge protection, low voltage alarm and shutdown to protect total battery discharge
- Choice of sealed, low maintenance Lead-Acid battery or light-weight super long life Lithium battery
- 2 high-efficiency, 62W, foldable solar panels (expandable to 8 panels)
- Advanced 25A charge controller
- Efficient and rugged electronic inverter for either 120V/60Hz or 240/50Hz AC power
- Versatile connectivity allows easy use of 12VDC direct from battery
- System can be charged using solar power, 12V vehicle socket or grid powered battery charger

### Application Versatility

The SolarPack system is ideally suited and easily configured to provide power for many types of equipment that need high quality, reliable power in a rugged environment; such as: portable satellite antenna; office appliances in the field; or emergency response / checkpoint equipment such as LED arrays or VHF radios.

### Run time

For a remote office complete with satellite connectivity (iNetVu Flyaway antenna; 7000 Controller; Satellite modem; 3W BUC; Laptop computer; IP Phone) run time will vary depending on factors such as intensity of sunlight, equipment power requirements and usage discipline, however, the following should be attainable under the indicated conditions [in each case, starting with fully charged battery(s)]:

- 5 hours - on battery alone with little or no solar input (i.e., when panels are not deployed or in cloudy weather)
- 10 hours (a single, long working day) – 1 module with 2 solar panels properly deployed and monitored and uninterrupted, bright, direct sunlight

**Note:** Performance of solar charging function depends on adequate exposure to sunlight

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Specifications are subject to change

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### Battery (Lead-Acid)

Voltage	12VDC
Capacity	100 Amp/hr
Type	VRLA - Valve Regulated Lead Acid
Weight	35.5 Kg
Life Expectancy	Active - 200 cycles @ 100% discharge - 1,100 cycles @ 30% discharge Standby - 5 years

### Battery (Lithium Phosphate)

Voltage	12VDC
Capacity	110 Amp/hr
Type	Lithium Iron Magnesium Phosphate
Weight	15.8 Kg
Life Expectancy	Active - 2,000 cycles @ 100% discharge - 30,000 cycles @ 30% discharge Standby - 12 years

### Charge Controller

Nominal Capacity	25 Amps, MPPT (Multi Power Point Tracking)
Efficiency	97% @ 14 VDC, 20 Amp output

### Solar Panel (Each)

Nominal Power	62W
Nominal voltage	12
Max voltage	20VDC
Max amperage	3.1A
Length	133.5 cm (unfolded)
Width	76 cm (unfolded)
Thickness	0.254 cm (unfolded)
Weight	1.5 Kg

### Inverter

Output Voltage	120 VAC or 240VAC
Frequency	60 Hz or 50 Hz
Power (cont.)	600W
Surge Peak	860W
Waveform	Pure Sinewave
Configuration	Shelf-mount

### DC power out

Voltage	12VDC
Amperage	15A
Connection	Vehicle socket (female)

### DC power in

(from vehicle socket or grid connected charger)

Voltage	12VDC
Amperage	15A

### Physical (base module excluding battery)

Weight	18.5 Kg
Dimensions	50 x 31 x 46 cm (L x W x H)
Temperature range	-5C to 60C

### Physical (inverter in case c/w cable)

Weight	9.5 Kg
Dimensions	56 x 37 x 16.5 cm (L x W x H)
Temperature range	-5C to 35C

### Warranty

1 Year

Standards Compliance	CE and FCC
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