



# Meisl Off Grid Package 1

Model MVV24XX/1.6/Easy



With leading technology from



**victron energy**  
BLUE POWER



LIONTRON®

## 1 - PHASE POWER SUPPLY PACKAGE FOR SOLAR OFF GRID SYSTEMS

- Real Plug & Play, fully preconfigured
- Unpack – Connect – Start
- Output power distribution included, no external fuses necessary
- Easy and fast installation for one person possible
- Also grid-parallel as UPS and for optimizing self consumption possible, grid parallel with uninterrupted emergency power supply (UPS <= 20 ms)
- PV-DC-Coupling, for retrofitting existing solar systems or in combination with new PV-systems, later extension and additional PV-AC-coupling possible
- Generator-input for connection of an emergency generator
- Best ratio for price / AC-power and price / storage capacity



## Technical Data

### Inverter

### Transfer Switch

### Off Grid Power

### Data Logging

EasySolar 24/1600/70 including bidirectional battery inverter 24 V 1600 VA, MPPT 100/50 Charger, RCD, 4x circuit breaker at AC-out and circuit breaker at AC-In

Uninterruptible ( $\leq 20$  ms transfer time); full off-grid functionality

1-phase, full inverter power, overload 3,2 kVA for short periods

Micro-SD-card and with free web portal and App when internet access available at site (optional via ColorControl)

## Optional Batteries

### Lithium Battery

Model MVV24Li/1.6/Easy



- Lithium battery LiFePO4 with 25,6V/100Ah Smart, storage capacity 2,56 kWh
- Battery connection box with integrated BMV (battery monitoring device) with integrated display, 500 A shunt and DC-fuses
- Safest lithium technology with Bluetooth 4.0 monitoring and 5 years warranty

### Lead-Gel Battery

Model MVV24Pb/1.6/Easy



- 24 V Lead-Gel-Battery-Set consisting of 2x 12V/165Ah Gel Deep Cycle Battery with a capacity of 3,94 kWh (C20, 50% usable)
- DC-fuse
- Battery connection box with integrated BMV (battery monitoring system) with display and 500 A Shunt

## Optional Upgrades



Visualisierung und Bedienung zusätzlich per Tablet, Portal und APP



- ColorControl system management with display, data logger, free web portal and app (internet access at site necessary) mounting material and communication cables included
- PV-set with 4 modules Kioto Power Maxim Plus-60 KPV ME NEC 300 Wp mono deflect, completely black, low light reflection and single string control Maxim to minimize shading effect, with 1,2 kWp including mounting system and string distribution, with 4 circuit breakers and 3x over-voltage protection, inclusive 1x spare fuse, PV-DC-cable 4 mm<sup>2</sup> from modules (10 m) via string distribution to Easy Solar (2 m) (sub construction not included)
- Configuration for grid parallel use with uninterrupted switching to emergency power supply (UPS) with grid code settings and eventual external NS-protection according to the local grid operator.

Prices & details for optional upgrades and custom sized systems on demand.