

PEAK POWER PACK

A Li-ion battery pack with intrinsically safe LiFePO4 cells, a built-in charger and outstanding peak output power performance.



Peak power pack 8



Bateria Lithio Peak Power Pack 20



Baterias Victron Energy Peak Power Pack 30



Bateria Auxiliar Peak Power Pack 40



Frontal Peak Power Pack

A Li-ion battery pack with intrinsically safe LiFePO4 cells, a built-in charger and outstanding peak output power performance.

Nominal voltage: 12,8V
 Battery capacity range: 8Ah to 40Ah

Low weight and easy to install

- Ideally suited for mobile applications

Thoroughly protected against misuse

- Excellent performance in solar and other applications where frequent deep discharge and insufficient recharge would quickly damage lead-acid batteries

Output 1: high current output for caravan movers and other high power applications

- Caravan mover application: automatic shutdown of the high power output 30 minutes after enabling
 - Other applications: the high power output can be switched to 'always on' mode
 - Short circuit proof
 - With battery over discharge protection

Output 2: auxiliary output for low power DC loads (not available on 8Ah model)

- Always on
 - Short circuit proof
 - With battery over discharge protection

Input 1: multi-purpose vehicle battery /solar charger input

- Voltage and current regulated to safely charge the Li-ion battery. Virtually any source of electric power can be connected to this input, as long as $11V < V_{in} < 20V$

Input 2: second input to connect a power supply

- A 3A power supply is included (connects to 100/240 VAC mains)

Fast charging possible through input 1 (high current output)

- A battery charger, inverter/charger, solar charge controller or alternator can be connected to the high power output for fast charging. Maximum charge current 40A and maximum charge voltage 14,4V.

Storage mode

- Reduces battery current drain to virtually zero. Prevents damage due to battery over discharge during long term storage.

Remote on/off and status indication

- Connects to a.o. a push button (included) with bi-colour LED status indication

Push button:

- Press shortly: high power output on during 30 m, LED red
- Press during 2 s: high power output permanently on, LED red, slow flash
- Press during 5 s: storage mode, LED blue, flashes 10 times
- Battery charged through input 1, LED blue, slow flash
- Battery fully charged, LED blue, solid
- Over load or over temperature, LED red, flash

VE.Direct port: connects to a computer or a smart phone

(VE.Direct to USB cable resp. VE.Direct Bluetooth Smart dongle needed)

- Output 1: on / 30 minute timer / off
- Output 2: on/off
- Input 1: on/off
- Battery voltage
- Temperature and alarms

SPECIFICATIONS

| Peak Power Pack | PPP-8 | PPP-20 | PPP-30 | PPP-40 |
|---|---|--|--------------------|--------------------|
| Capacity | 8 Ah | 20 Ah | 30 Ah | 40 Ah |
| Stored energy | 102 Wh | 256 Wh | 384 Wh | 512 Wh |
| Battery type | Lithium-ion (LiFePo ₄) | | | |
| Nominal voltage | 12,8 V | | | |
| No load battery drain when on | < 13 Ah / year (< 1,4 mA) | | | |
| Battery drain in storage mode | < 6,5 Ah / año (< 0,7 mA) | | | |
| Output 1: High current output | | | | |
| Continuous output current | 150 Ah | | | |
| Maximum output current (10 sec) | 200 Ah | | | |
| Short circuit trip level | 300 Ah | | | |
| Protections | Overload / Short circuit / over temperature / over discharge | | | |
| Maximum input (charge) current | 40 A (not protected) | | | |
| Maximum input (charge) voltage | 14,4 V (not protected) | | | |
| Maximum cable cross sections | 16 mm ² (screw terminals) | | | |
| Output 2: Auxiliary output | | | | |
| Continuous output current | n.a. | 30 A | | |
| Maximum output current (10 sec) | n.a. | 50 A | | |
| Short circuit trip level | n.a. | 80 A | | |
| Protections | n.a. | Overload / Short circuit / over temperature / over discharge | | |
| Maximum input (charge) current | n.a. | 10 A (not protected) | | |
| Maximum input (charge) voltage | n.a. | 14,4 V (not protected) | | |
| Maximum cable cross sections | n.a. | 6 mm ² (screw terminals) | | |
| Input 1: Multi-purpose vehicle battery / solar charger input | | | | |
| Input voltage range | 11 V < V _{in} < 20 V | | | |
| Input current limit | 7 A | | | |
| Input 2: power adapter | | | | |
| Adapter output voltage | 15 V | | | |
| Adapter output current | 3 A | | | |
| Adapter input voltage | 100 / 240 Vac 50 / 60 Hz. | | | |
| General | | | | |
| Monitoring and control | Multi-functional push button with bi-colour LED | | | |
| VE.Direct port | Connects to a computer (VE.Direct to USB cable needed) or a smart phone (VE.Direct Bluetooth Smart dongle needed) | | | |
| Operating temperature range | Batt. charging: 0°C to 40°C Batt. discharging: -20°C to +40°C Storage: -20°C to +40°C (charging / discharging inhibited when outside specified temperature range) | | | |
| Humidity | Max. 95 % (non-condensing) | | | |
| Weight | 2,2 kg | 3,8 Kg | 5,4 Kg | 8,6 Kg |
| Dimensions (h x w x d) | 190 x 172 x 90 mm | 190 x 172 x 130 mm | 190 x 172 x 170 mm | 190 x 172 x 210 mm |
| Standards | | | | |
| Safety | EN/IEC 60335-1, EN/IEC 60335-2-29, EN/IEC 62109 | | | |
| Emission, immunity | EN55014-1, EN 55014-2, EN/IEC 61000-3-2, EN/IEC 61000-3-3, EN/IEC 61000-6-1, EN/IEC 61000-6-3, EN 50498 | | | |

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