

# 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 <sub>4</sub> )			
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)			
<b>Output 1: High current output</b>				
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 <sup>2</sup> (screw terminals)			
<b>Output 2: Auxiliary output</b>				
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 <sup>2</sup> (screw terminals)		
<b>Input 1: Multi-purpose vehicle battery / solar charger input</b>				
Input voltage range	11 V < V <sub>in</sub> < 20 V			
Input current limit	7 A			
<b>Input 2: power adapter</b>				
Adapter output voltage	15 V			
Adapter output current	3 A			
Adapter input voltage	100 / 240 Vac 50 / 60 Hz.			
<b>General</b>				
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
<b>Standards</b>				
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			

## DOWNLOADS

CATÁLOGO GENERAL 2020

 [Catalogo-Bornay-0520.pdf](#)

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