

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 clabel cross sections	16 mm² (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 mm² (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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