

Peak Power Pack

www.victronenergy.com

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



12,8 V 8 Ah

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:

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

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



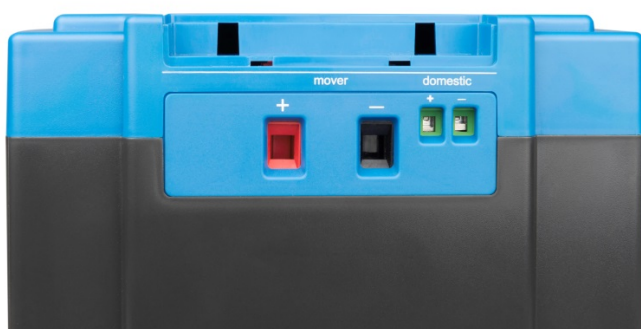
12,8 V 20 Ah



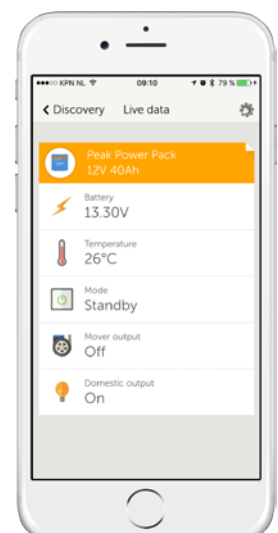
12,8 V 30 Ah



12,8 V 40 Ah



High current (mover) output and low current output



Peak Power Pack	PPP-8	PPP-20	PPP-30	PPP-40
Capacity	8Ah	20Ah	30Ah	40Ah
Stored energy	102Wh	256Wh	384Wh	512Wh
Battery type	Lithium-ion (LiFePO ₄)			
Nominal voltage	12,8V			
No load battery drain when on	<13Ah / year (< 1,4mA)			
Battery drain in storage mode	< 6,5Ah / year (< 0,7mA)			
Output 1: high current output				
Continuous output current	150A			
Maximum output current (10 seconds)	200A			
Short circuit trip level	300A			
Protections	Overload / short circuit / over temperature / over discharge			
Maximum input (charge) current	40A (not protected)			
Maximum input (charge) voltage	14,4V (not protected)			
Maximum cable cross section	16mm ² (screw terminals)			
Output 2: auxiliary output				
Continuous output current	n.a.		30A	
Maximum output current (10 seconds)	n.a.		50A	
Short circuit trip level	n.a.		80A	
Protections	n.a.		Overload / short circuit / over temperature / over discharge	
Maximum input (charge) current	n.a.		10A (not protected)	
Maximum input (charge) voltage	n.a.		14,4V (not protected)	
Maximum cable cross section	n.a.		6mm ² (screw terminals)	
Input 1: multi-purpose vehicle battery / solar charger input				
Input voltage range	11V < V _{in} < 20V			
Input current limit	7A			
Input 2: power adapter				
Adapter output voltage	15V			
Adapter output current	3A			
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 (non-condensing)	Max 95%			
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			



Power adaptor and vehicle/solar input



VE.Direct and button



Mounting strap
Power adapter
Power cord
Push button with cord (2 m) and bi-colour LED