

# **Peak Power Pack**

#### www.victronenergy.com



12.8 V, 20Ah



12.8 V, 30Ah



12.8 V, 40Ah

# A lithium-ion battery pack with intrinsically safe LiFePO4 cells, a built-in charger, and suitable for high discharge currents.

Nominal voltage: 12.8V Battery capacity: 20Ah to 40Ah (not suitable for parallel or series connection)

# Lightweight and easy to install

- Ideal for mobile applications.
- Effective protection against improper use
- Ideal for solar power and other applications where excessive discharge might quickly cause damage to lead acid batteries.

### Output 1 "mover": high-capacity output for caravan manoeuvring and other applications that are energyintensive

- Ideal for caravan manoeuvring (caravan movers).
- Short-circuit proof.
- Protected against excessive battery discharge.
- Output 2 "domestic": for low DC loads
- Intended for lighting, audio and video, pumps, fridges.
- Short-circuit proof.
- Protected against excessive battery discharge.

## Input 1 "car/solar": charging while driving or charging with a solar panel.

Equipped with voltage and current control for safe charging of the lithium-ion battery. In fact, any source of electric
power can be connected to this input (e.g. an alternator or a battery charger), as long as 11V < Vin < 25V.</li>
 The current limit is automatically set to a safe value.

# Input 2 "adapter": the adapter supplied with the Peak Power Pack can be connected to this input

Battery charging current: 3A, and suitable for 110/230V power supply.

# Rapid charging is possible via output 1 (high capacity output and 30Ah/40Ah models only)

A battery charger or inverter/charger can be connected to the high capacity output. The maximum charging current is 15A and 20A respectively and the recommended charging voltage is 14V (maximum 14.2V).

#### Storage mode

 Reduces power consumption to almost zero. Prevents damage due to excessive discharge of the battery during storage.

#### Remote control with status indicator

- Push button (supplied) with a dual-colour LED status indicator:
  - o Short push of the button: high capacity output activated for 30 minutes (mover applications), red LED.
  - Hold down for 2 seconds: high capacity output always activated, slow flashing red LED.
  - Hold down for 5 seconds: storage mode, blue LED flashes 10 times.
  - Battery is charged via input 1: slow flashing blue LED.
  - Battery fully charged: blue LED.
  - Overload or overheating: flashing red LED.

#### VE.Direct port: can be connected to a PC or smartphone

('VE.Direct to USB' or 'VE.Direct Bluetooth Smart dongle' required)

#### - Operation:

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







Deals Deven Deals	PPP-20	000 20	PPP-40
Peak Power Pack		PPP-30	
Capacity	20Ah	30Ah	40Ah
Stored energy	256Wh	384Wh	512Wh
Battery type	Lithium-ion (LiFePO4)		
Nominal voltage	12.8V		
Self-discharge when activated	< 13 Ah /year (< 1.4 mA)		
Self-discharge in storage mode		< 6.5 Ah /year (< 0.7 mA)	
	Output 1: high c		
Continuous output current	150A		
Maximum output current (10 seconds)	200A		
Short-circuit current	300A		
Safety features		d / short-circuiting / temperature / excessive o	-
Maximum charging current	n.a.	15A (no protection)	20A (no protection)
Recommended charging voltage	14V (no protection)		
Maximum charging voltage	14.2V (no protection)		
Maximum cable diameter		16mm <sup>2</sup> (screw clamps)	
	Output 2: on-board pov		
Continuous output current	30A		
Maximum output current (10 seconds)	50A		
Short-circuit current	80A		
Safety features	Overload / short-circuiting / temperature / excessive discharge		
Maximum charging current	n.a.	10A (no protection)	10A (no protection)
Recommended charging voltage	14V (no protection)		
Maximum charging voltage	14.2V (no protection)		
Maximum cable diameter	6mm²(screw clamps)		
	input 1: "e		
Input voltage range	11 V < Vin < 25 V		
Current limitation		7A	
	Input 2: "		
Output voltage	15V		
Output current	3A 110 / 2001/ 50 / 7011		
Input voltage	Gen	110 / 230 V 50 / 60 Hz	
Operation		erai ultifunctional push-button with dual-colour L	FD
operation	Communication with a smartphone (VE.Direct Bluetooth Smart-dongle required)		
VE.Direct port	Connection to a PC (VE.Direct to USB cable required)		
	Battery charging: 0°C to 40°C Battery discharge: -20°C to +40°C Storage: -20°C to +40°C		
Operating temperature	(charging and discharging not possible outside the given temperature range)		
Humidity (no condensation)	(charging and discharging not possible outside the given temperature range) Max. 95%		
Weight	3.8kg	5.4kg	8,6kg
Dimensions (h x w x d)	5.0kg 132 x 190 x 172 mm	5.4kg 172 x 190 x 172 mm	о,оку 212 x 190 x 172 mm
	Stance		212 X 190 X 172 11111
Safety		-IEC 60335-1, NEN-EN-IEC 60335-2-29, NEN-EI	N-IEC 62109-1
Emission / Immunity	NEN-EN 55014-1, NEN-EN 55014-2, NEN-IEC 61000-3-2, NEN-IEC 61000-3-3, NEN-EN 50498		
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Adapter and car/solar inputs (plug for the car/solar input is included)





VE.Direct and push-button



Fixing strap Adapter Power cable Push-button with cable (2m) and dual-colour LED

