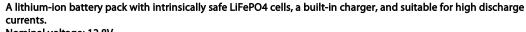


Peak Power Pack

www.victronenergy.com



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 energy-intensive

- 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.
 The current limit is automatically set to a safe value.



- 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.
 - $\circ \quad \text{Hold down for 2 seconds: high capacity output always activated, slow flashing red LED.} \\$
 - o Hold down for 5 seconds: storage mode, blue LED flashes 10 times.
 - o 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
 - o Output 2: on/off
 - o Input 1: on/off
- Monitoring:
 - Battery voltage
 - o Temperature and alarms



High capacity output (mover) and low capacity output (domestic)





12.8 V, 20Ah



12.8 V, 30Ah



12.8 V, 40Ah

Peak Power Pack	PPP-20	PPP-30	PPP-40
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	apacity "mover"	
Continuous output current	150A		
Maximum output current (10 seconds)	200A		
Short-circuit current	300A		
Safety features	Overload / short-circuiting / temperature / excessive discharge		
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	16mm² (screw clamps)		
	Output 2: on-board pov	ver network "domestic"	
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: "c	car/solar"	
Input voltage range	11 V < Vin < 25 V		
Current limitation	7A		
	Input 2: "		
Output voltage	15V		
Output current	3A		
Input voltage		110 / 230 V 50 / 60 Hz	
	Gen	20 111	
Operation	Multifunctional push-button with dual-colour LED		
VE.Direct port	Communication with a smartphone (VE.Direct Bluetooth Smart-dongle required)		
	Connection to a PC (VE.Direct to USB cable required)		
Operating temperature	Battery charging: 0°C to 40°C Battery discharge: -20°C to +40°C Storage: -20°C to +40°C		
	(charging and discharging not possible outside the given temperature range)		
Humidity (no condensation)		Max. 95%	
Weight		3.8kg	5.4kg
Dimensions (h x w x d)		132 x 190 x 172 mm	172 x 190 x 172 mm
5.64	Stand		LIFC (2100.1
Safety	NEN-EN-IEC 60335-1, NEN-EN-IEC 60335-2-29, NEN-EN-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		



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

