



Power HUB

Basic Information	
Net Weight.	32 kg (71 lbs)
Dimensions (L×W×H).	540mm×400mm×150mm (21.2"x15.7"x5.91").
Wi-Fi.	Supported
Bluetooth (v4.0)	Supported (<15 Meters)
Output Spec	
AC Main Out	Pure sine wave,3000W (surge 9000W,100ms), 120V,60Hz.
AC Standard Out.	120 V 15A
DC Output	13.6 V 70 A, maximum power: 1000 W Or 26.4V TBD power
Input Spec	
AC Input Power	3000 W maximum power, 30 A maximum current.
AC Input Voltage.	100–120 V, 50 Hz/60Hz
Alternator Input 1.	13–60V70A, maximum power:1000W.
PV Input 1/2.	15–60V70A, maximum power:1000W.
Battery Port Spec	
Battery Port	40-60 V 100 A, supports up to 5kWh LFP batteries, which are sold separately.(Not recommended to Use one Power Hub)
Operating Environment	
Operating Temperature.	–25°C to 60°C (-13°F to140°F)
Storage Temperature	–25°C to 60°C(-13°F to 140°F)

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VEHICLE/OFF-GRID ESS

The 3KW vehicle/off-grid energy storage system is developed and produced by Acopower. This innovative solution integrates energy storage batteries, power HUB, LCD display, and a power distribution unit into an all-scene and comprehensive system. With its high adaptability and multi-functionality, it is well-suited for various applications, including RVs, residential backup power, and off-grid cabins among others.



Five-in-one system
Charger, Inverter, DCDC, MPPT ,
Battery parallel distribution module-
five parts all-in-one.



Intelligent control
Intelligent control with 7-inch
display and APP.



3 Charging Methods
Solar, vehicle engine, utility



Low temperature heating
Our batteries can be heated, to ensure
normal operation and charging in
temperatures as low as -20°C (-5 °F).

LCD Display + Power Distribution Unit

	Basic Information	
	Screen Size	154.2*85.9 (mm) (7 inches)
	Screen Resolution	1024 (H) * 600 (V)
	Touch	Support
	DC input /RJ45 communication port	12V/1A, Max power: 12W
	DC input /USB-C port	5V/2A, Max power: 10W
	DC output /USB-A port	5V/1A, Max power: 5W
	Overall Size	185*115*25 (mm)
LCD Display	Net Weight	450g
	Operating Temperature Range	-20°C ~ 50°C

Power Distribution Unit

Input Specifications	
AC Input	US: 100-120V 60Hz
Maximum AC Input Current	US: 40A
DC Input	10-30Vdc
Maximum DC Input Current	70A/1000W
Output Specifications	
AC Output	AC Output 6 channels (1/2: 20A, 3/4/5/6: 10A) US: 100-120V 60Hz
DC Output	12 channels, Max current: 20A; 12Vdc/24Vdc optional
Operating Temperature Range	-20°C ~ 50°C
Basic Information	
Overall Size (L*W*H)	350*205*100 (mm)
Net Weight	2.6kg
Operating Environment	
Operating Temperature Range	-25°C ~ 60°C
Storage Temperature Range	-25°C ~ 60°C

Wiring Specifications	Wire Diameter (AWG)	Current (A)
AC Input	10	-
AC Output	10	30
	10	20
	10	10
DC Input	10	-
DC Output	10	30
	10	20
	10	10

Elite Series (Battery)

	
Elite-1280	Elite-2560A/B

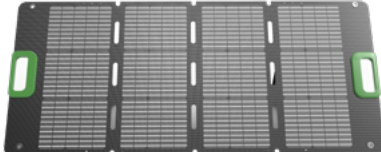
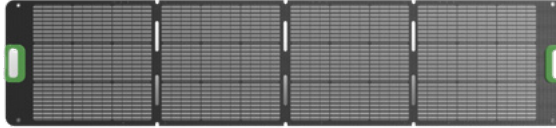
	Elite-1280	Elite-2560A	Elite-2560B
Basic Parameter			
Rated Voltage (V)	12.8	12.8	25.6
Rated Capacity (Ah)	100	200	100
Operation Parameter			
Voltage Range (V)	10-14	10-14	22.4-28
Cut-off Voltage (V)	10	10	22.4
Recommended Charge Current (A)	≤ 30	≤ 60	≤ 30
Max Constant Charge Current (A)	100	150	100
Max Discharge Current (A)	100A (Constant) 150A (Pulse:30s)	150A (Constant) 250A (Pulse:30s)	150A (Constant) 200A (Pulse:30s)
Physical Parameter			
Dimension: W*D*H	308*175*220 (mm) / 12.12*6.9*8.66 (in)	460*220*212 (mm) / 18.11*8.66*8.35 (in)	
Weight	11.5 (kg) / 25.35 (lb)	24 (kg) / 53 (lb)	
Display Method	Bluetooth		
Service Life			
Cycle Life (Time)	> 6000 (0.5C@ 25℃, 80% DOD)		
Design Life (Year)	15		
Environment Parameter			
Charge Temperature Range	- 20~45 ℃ / -4~ 113 ℉ (Heating)		
Discharge Temperature Range	- 20~ 55 ℃ / -4~ 131 ℉		
Storage Temperature Range	- 20~ 45 ℃ / -4~ 113 ℉		

	
Elite-5120A/B/C	

	Elite-5120A	Elite-5120B	Elite-5120C
Basic Parameter			
Rated Voltage (V)	12.8	25.6	51.2
Rated Capacity (Ah)	400	200	100
Operation Parameter			
Voltage Range (V)	10-14	22.4-28	44.8-56
Cut-off Voltage (V)	10	22.4	44.8
Recommended Charge Current (A)	≤ 120	≤ 60	≤ 30
Max Constant Charge Current (A)	200	150	100
Max Discharge Current (A)	250A (Constant) 350A (Pulse:30s)	150A (Constant) 200A (Pulse:30s)	100A (Constant) 150A (Pulse:30s)
Physical Parameter			
Dimension: W*D*H	460*320*247 (mm) / 18.11*12.60*9.72 (in)		
Weight	43 (kg) / 95 (lb)		
Display Method	Bluetooth		
Service Life			
Cycle Life (Time)	> 6000 (0.5C@ 25℃, 80% DOD)		
Design Life (Year)	15		
Environment Parameter			
Charge Temperature Range	- 20~45 ℃ / -4~ 113 ℉ (Heating)		
Discharge Temperature Range	- 20~55 ℃ / -4~131 ℉		
Storage Temperature Range	- 20~45 ℃ / -4~113 ℉		

Solar Panel

	Electrical Performance Parameter	
	Rated Output Power (@STC)	100W (-5%, +10%) Bare board
	Open-circuit Voltage (@STC)	19.8V (-5%, +10%)
	Rated Working Voltage (@STC)	17.1V (-5%, +10%)
	Rated Working Current (@STC)	5.85A (-5%, +10%)
	Short-circuit Current	6.15A (-5%, +10%)
	Dimension: L*W*H (mm)	1010.8±5*606±5*2.5±0.3
	Operating Temperature Range	-20°C ~ 60°C
Monocrystalline ETFE Solar Panel	Storage Conditions	≤ 60%RH(ordinary temperatures)

		
Fold Solar Panel 1	Fold Solar Panel 2	
Mechanical Parameter	1	2
Battery Type	Monocrystalline cells	
Folding Method	4 folds	
Folding Size(with storage bag+ Stand) (mm)	540*400*64 (±5)	647*540*66 (±5)
Unfolding Size (mm)	1380*540*36 (±5)	2379*540*33 (±5)
Series-parallel Connection (kg)	4.9±0.5	8.5±0.5
Weight	4.9±0.5	8.5±0.5
Panel	ETFE glossy surface	
Back Panel	Cloth, gray	
Charging Port	MC4 connector (14AWG; line length 1000±10mm)	
Electrical Performance Parameter		
Rated Working Power	100W (-5%, +10%)	200W (-5%, +10%)
Rated Working Voltage	19.8V (-5%, +10%)	39.6V (-5%, +10%)
Rated Working Current	5.05A (-5%, +10%)	5.05A (-5%, +10%)
Open-circuit Voltage	23.8V (-5%, +10%)	47.5V (-5%, +10%)
Short-circuit Current	5.33A (-5%, +10%)	5.33A (-5%, +10%)
MC4 Working Power (W)	99 (-5%, +10%)	198 (-5%, +10%)
MC4 Working Voltage (V)	19.6 (-5%, +10%)	39.2 (-5%, +10%)