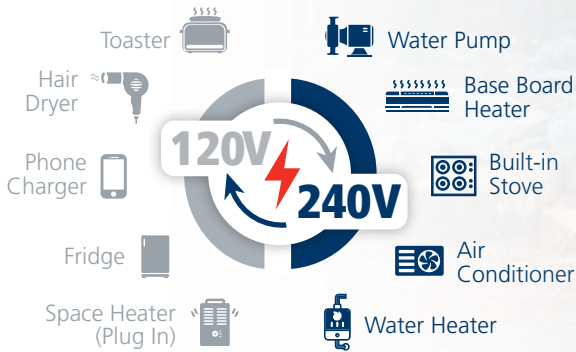


A Better Way to do Off-Grid

NEW **EVO-4248SP**
INVERTER/CHARGER

120/240V Split Phase AC Power

This inverter/charger is a split phase 4200W unit, with 48 VDC input, which meets the needs of most common off-grid residential systems.



MODELS: 4200W | 48 VDC | 120 / 240 VAC

3 YEAR LIMITED WARRANTY  



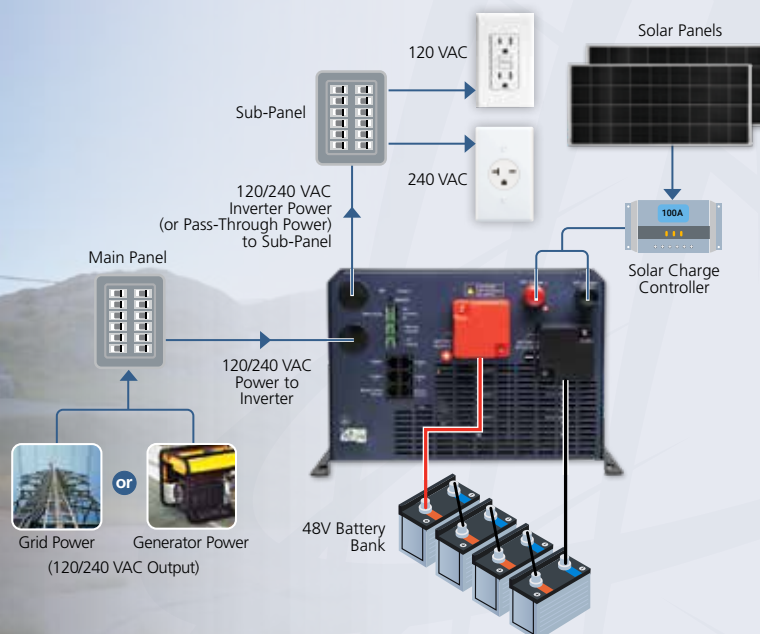
EVO-RC-PLUS

Optional Remote Control supports up to 32GB SD card for data logging.

Run an emergency backup system, a fully equipped off-grid cabin, or a remote mobile construction site, when you combine it with a 48V battery bank and a solar system.



120/240V Split Phase AC Power



MODEL NO.	EVO-4248SP	
	120 VAC SINGLE PHASE	120/240 VAC SPLIT PHASE
INVERTER		
NOMINAL AC OUTPUT VOLTAGE, FREQUENCY, THD	120 / 240 VAC \pm 5% Split Phase, 60 Hz \pm 0.1 Hz, Pure Sine Waveform $<$ 5% (See Note 4)	
CONTINUOUS OUTPUT POWER AND POWER FACTOR (PF)	2100 Watt (PF 0.95)	4200 Watt (PF 0.95)
CONTINUOUS AC OUTPUT CURRENT	17.5A	
SURGE POWER FOR 1 MSEC	300% (6,300VA)	300% (12,600VA)
SURGE POWER FOR 100 MSEC	200% (4,200VA)	200% (8,400VA)
POWER BOOST FOR 30 SEC	150% (3,150VA)	150% (6,300VA)
POWER BOOST FOR 1 MIN	140% (2,940VA)	140% (5,880VA)
POWER BOOST FOR 10 MIN	120% (2,520VA)	120% (5,040VA)
POWER BOOST FOR 30 MIN	110% (2,310VA)	110% (4,620VA)
NO LOAD POWER CONSUMPTION	Normal Mode: $<$ 30W; Power Saving Mode: $<$ 8W; Standby Mode: $<$ 5W	
AC INPUT		
AC INPUT VOLTAGE AND FREQUENCY	60-140 VAC ; 50/60Hz	180-280 VAC ; 50/60Hz
PROGRAMMABLE AC INPUT CURRENT	5 - 30A (Default - 30A)	
AC INPUT BREAKER SIZE	30A (Has to be installed externally by the installer / user)	
TRANSFER SWITCH		
RELAY TYPE AND CAPACITY	SPDT, 40A	
TRANSFER TIME: INVERTER TO GRID/GENERATOR	$<$ 1 ms (Synchronized transfer at zero crossing)	
TRANSFER TIME: GRID/GENERATOR TO INVERTER	18ms (Synchronized transfer at zero crossing)	
INTERNAL BATTERY CHARGER		
MAX CONTINUOUS AC INPUT CURRENT AT MAXIMUM BULK CHARGING CURRENT	17.5A (At charging current = 30A, DC)	17.5A (At charging current = 60A, DC)
NOMINAL DC OUTPUT VOLTAGE	36 - 68 VDC (57.6V Nom)	
PROGRAMMABLE BULK CHARGING CURRENT	0 - 30A, DC	0 - 60 \pm 5A, DC
BATTERY TEMPERATURE COMPENSATION	<ul style="list-style-type: none"> Battery Temperature Sensor EVO-BCTS included Compensation Range from -20° C to 60° C 	

MODEL NO.	EVO-4248SP	
	120 VAC SINGLE PHASE	120/240 VAC SPLIT PHASE
EXTERNAL BATTERY CHARGER SECTION (SOLAR CHARGE CONTROLLER)		
CHARGING VOLTAGE RANGE	52 - 60 VDC	
MAXIMUM CHARGING CURRENT	100A	
COOLING	2 Fans - Temperature Controlled, Variable Speed	
PROTECTIONS/ALARMS	Battery Low Voltage Alarm and Low / Over Voltage Shut Down; Shut Down under Input Over Current, Output Over Current, Output Overload and Output Short; Transformer and Heat Sink Overheat Shut Down; Immunity Against Conducted Electrical Transients in Vehicles	
OPTIONAL REMOTE CONTROL		
MODEL NO.	EVO-RC-PLUS	
SPECIFICATIONS	<ul style="list-style-type: none"> For programming parameters and modes of operation 4 Rows of 20 Character Alpha Numeric LCD Display for messaging SD Card Slot for Data Logging (16 or 32 GB) Comes with 10M / 33ft RJ-45 Data Cable 	
COMPLIANCE		
SAFETY	CSA listed: Conforms to CAN / CSA STD. C22.2 No. 107.1-16 and UL Std No. 1741 2nd Ed.	
EMI / EMC	Certified to FCC Part 15(B), Class A.	
ENVIRONMENTAL	OPERATING TEMPERATURE: -20 to $+60^{\circ}$ C (-4 to 140° F); STORAGE: -40 to $+70^{\circ}$ C (-40 to 158° F)	
DIMENSIONS		
W X D X H	324 x 415 x 212 mm / 12.8 x 16.3 x 8.35 in	
WEIGHT	29 Kg / 64 lb	

- (1) All AC power ratings in the Inverter Section are specified at Power Factor = 0.95
- (2) All specifications given above are at Ambient Temperature of 25° C / 77° F unless specified otherwise
- (3) Specifications are subject to change without notice
- (4) EVO-4248SP specs available separately