

Battery World Vancouver

604 473-9500

batteryworldvan@gmail.com

	EVO-2212	EVO-3012	EVO-2224	EVO-4024
INVERTER NOMINAL AC OUTPUT, FREQUENCY, THD		120 ± 5% VAC, 50/60 Hz ± 0.1	Selectable, < 5% THD	
INPUT BATTERY VOLTAGE RANGE	>9 - 17 VDC	>9 - 17 VDC	>18 - 34 VDC	>18 - 34 VDC
CONTINUOUS POWER OUTPUT AT 25° C	2200 VA	3000 VA	2200 VA	4000 VA
CONTINUOUS AC OUTPUT CURRENT (A)	18A	25A	18A	33A
SURGE POWER FOR 1 ms	300% (6600VA, 54A)	300% (9000VA, 75A)	300% (6600VA, 54A)	300% (12000VA, 99A)
SURGE POWER FOR 100 ms	200% (4400VA, 36A)	200% (6000VA, 50A)	200% (4400VA, 36A)	200% (8000VA, 66A)
POWER BOOST FOR 5 SECONDS	150% (3300W)	150% (4500W)	150% (3300W)	150% (6000W)
POWER BOOST FOR 30 SECONDS	140% (3080W)	140% (4200W)	140% (3080W)	140% (5600W)
POWER BOOST FOR 5 MINUTES	120% (2640W)	120% (3600W)	120% (2640W)	120% (4800W)
POWER BOOST FOR 30 MINUTES	110% (2420W)	110% (3300W)	110% (2420W)	110% (4400W)
MAXIMUM CONTINUOUS DC INPUT CURRENT	266A	373A	133A	266A
INVERTER EFFICIENCY (PEAK)	90%	90%	93%	94%
NO LOAD POWER CONSUMPTION	Normal Mode: 30W; Power Save Mode: <8W		Normal Mode: 25W; Power Save Mode: <8W	
AC INPUT FROM GRID/GENERATOR	120 VAC Nominal (60 - 140 VAC, 40 - 70 Hz Selectable)			
PROGRAMMABLE AC INPUT CURRENT	5-40A (Default 30A)	5-70A (Default 30A)	5-40A (Default 30A)	5-70A (Default 30A)
TRANSFER RELAY TRANSFER RELAY TYPE AND CAPACITY	SPDT, 40A	DPDT, 70A (2X35A contacts)	SPDT, 40A	DPDT, 70A (2X35A con
TRANSFER TIME: INVERTER TO GRID/GENERATOR	< 1 ms (Synchronized Transfer at Zero Crossing)			
TRANSFER TIME: GRID/GENERATOR TO INVERTER	Up to 16 ms (Synchronized Transfer)			
INTERNAL BATTERY CHARGER	120 VAC Nominal (60 - 140 VAC, 40 - 70 Hz Selectable)			
AC INPUT VOLTAGE RANGE				
MAXIMUM AC INPUT CURRENT	15 Amps, AC	20 Amps, AC	19 Amps, AC	30 Amps, AC
MAXIMUM DC OUTPUT CURRENT	100 Amps, DC	130 Amps, DC	70 Amps, DC	110 Amps, DC
POWER FACTOR	> 0.95			
CHARGER EFFICIENCY	75%	75%	86%	85%
CHARGING STAGES	Adaptive Charging Control; Normal Mode: 3 Stages – Bulk, Absorption, Float; Equalization Mode: 4 Stages – Bulk, Absorption, Equalization, Float			
BATTERY TEMPERATURE COMPENSATION	Battery Temperature Sensor included. Compensation Range from -20°C to + 60°C			
BATTERY CHARGER EXTERNAL INPUT (SOLAR INPUT)				
CHARGING INPUT VOLTAGE RANGE	13 - 15VDC	13 - 15VDC	26 - 30VDC	26 - 30VDC
MAXIMUM CHARGING CURRENT	50A			
COOLING	2 Fans – Temperature Controlled, Variable Speed			
PROTECTIONS/ALARM	Input Over Current, Output Overload, Short Circuit, Over Temperature, Battery Low Voltage /Over Voltage Immunity Against Conducted Electrical Transients in Vehicles			
COMPLIANCE SAFETY/EMI/EMC	ETL listed to UL standards: 1741, 458 (with Marine Supplement), and to CSA C22.2 No. 107.1-01. EMI/EMC compliant with FCC Part 15(B), Class B and RoHS compliant.			
ENVIRONMENTAL TEMPERATURE OPERATING HUMIDITY	OPERATING: -20°C to +60°C (-4°F to 140°F); STORAGE: -40°C to +70°C (-40°F to 158°F)			
WEIGHT AND DIMENSIONS W x D x H	0 to 95% RH non condensing			
WEIGHT	325 x 426 x 207mm / 12.79 x 16.77 x 8.15 inches			
	27 Kg / 59 lb.	29 Kg / 64 lb.	26 Kg / 57 lb.	29 Kg / 64 lb

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