

RFUSION

TOMORROWS TECHNOLOGY TODAY

R Ampicart



R Power when you need it

Silent 5 kW portable battery storage

Only 80.9kg

Nano Crystal Battery, no fire risk.

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GENERAL	
MODEL	AC-500
CERTIFICATION	PSE, FCC, CE, UN38.3, msds, UL, SAA and ROHS
CAPACITY	5120Wh (50Ah)
BATTERY TYPE	Nano Crystal Battery™ (NCPB)
STANDARD BATTERY VOLTAGE	51.2VDC
BATTERY CELL VOLTAGE RANGE	40.0-58.4VDC
SHORT-CIRCUIT PROTECTION	Included
OVER-TEMPERATURE PROTECTION	Included
MACHINE NOISE	53db
WORKING ALTITUDE	2000m
DIMENSIONS (L X W X H)	559 x 286 x 691mm (22 x 11.3 x 27.2in)
NET WEIGHT OF WHOLE MACHINE	80.9kg (178.4lbs)
AC OUTPUT	
AC INVERTER	*3 2000W total
RATED OUTPUT VOLTAGE	220-240VAC
RATED OUTPUT FREQUENCY	50/60Hz
RATED CONTINUOUS POWER	2000W
RATED OUTPUT CURRENT	8.7A
POWER OF OVER-LOAD	2500W < load < 3000W, 8-10s; 3000W < load < 4800W, 500ms
EFFICIENCY	>90%
THD	<5%
OVER-TEMPERATURE PROTECTION	
DISCHARGE OVER-TEMPERATURE	65 °C
DISCHARGE OVER-TEMPERATURE RECOVERY	55 °C
CHARGE OVER-TEMPERATURE	55 °C
CHARGE OVER-TEMPERATURE RECOVERY	45 °C
AC INPUT	
INPUT VOLTAGE	195-253VAC
INPUT FREQUENCY	47Hz-63Hz
MAX. INPUT CURRENT	30A
CONFIGURABLE INPUT CURRENT	15A/20A/30A Preset at 15A, can be changed on screen
AC CHARGING VOLTAGE RANGE	90-264VAC
AC CHARGING FREQUENCY RANGE	47Hz-63Hz
POWER OF CHARGING	600W
PV STRING INPUT DATA	
MAX. DC INPUT POWER (WV)	15600W
PV INPUT VOLTAGE (V)	550V (150V-800V)
MPPT RANGE (V)	200V-650V
START-UP VOLTAGE (V)	150V
PV INPUT CURRENT (A)	26A+13A
MAX.PV ISC (A)	34A+17A
NO. OF MPPT TRACKERS	2
NO. OF STRINGS PER MPPT TRACKER	2+1
BATTERY PARAMETERS	
CELL CAPACITY	4Ah
SERIAL AND PARALLEL	16S2P
BATTERY CAPACITY	5120Wh
BATTERY VOLTAGE	57.6V
SINGLE CELL OVERVOLTAGE PROTECTION	3.72V
SINGLE SECTION UNDERVOLTAGE PROTECTION	2.52V
SHORT CIRCUIT PROTECTION	Yes
OUTPUT CURRENT	112A

All in one solution

Everything you need in one unit, including hybrid inverter and power isolators unlike some other available systems

Non Lithium batteries, no gassing, no fires, safe to use indoors. No noise, no carbon monoxide from diesel generators.

IP66 Outdoor rated enclosure

1 year warranty

1 hour to charge unlike other systems available

Power at the point of need

Will fit under most desks

Operating temperature range -40 to +65 Celsius

Control from you mobile device

Can be charged from the national grid when electricity is cheaper, to lower the cost of peak household demands during the day using the internal batteries.

Combine with Rfusion's High efficiency solar modules

Rfusion's Solar modules are made with high efficiency mono crystalline silicon cells. Individual cells are over 22.0% efficient. IP67 rated, no Potential-induced degradation (PID) phenomenon. UL1703 certified.

