

PRODUCT SPECIFICATIONS

PRODUCTS:

Control Unit : BMT-CU2000R (Inverter/Charger)

Energy Storage : BMT-ES5000R (Battery)

CONTROL UNIT

BMT-CU2000R (Inverter/Charger)



ENERGY STORAGE

BMT-ES5000R (Battery)



Fully integrated system including Battery, Control Unit, Automatic Transfer Switch



5kWh system will power selected appliances for up to 8 hours



Easy installation, light weight and wall mountable



Qualifies for Investment Tax Credit (ITC)



10 year warranty on Battery

ENERGY CONTROL UNIT INVERTER

Output Power.....	2000VA/1600W
AC Voltage.....	120 VAC
Frequency Range.....	50Hz/60Hz (auto sensing)
Output.....	110/120 VAC +5%
Surge Power.....	4KVA
Efficiency.....	90-93%
Transfer Time.....	10ms ~ 20ms

SOLAR / AC CHARGER

Maximum PV Array Power.....	3000W
MPPT Operating Voltage.....	60VDC~115VDC
Maximum PV Array Open Circuit Voltage.....	145 VDC
Maximum Solar Charge Current.....	60A
Maximum AC Charge Current.....	10A
Maximum Efficiency.....	>97%

ENERGY STORAGE BATTERY

Cell Type.....	LFP Li-ion Battery (UL certified)
Nominal Voltage.....	52 VDC
Max Capacity.....	100Ah (@50Ahx2)
Bulk Charge.....	54 VDC
Over Voltage Protection.....	60 VDC
Under Voltage Protection.....	46 VDC
Battery Capacity.....	5120Wh
Over Temperature Protection.....	158°F

DIMENSION & WEIGHT

Weight.....	Energy Control Unit: 25.4 lbs Energy Storage System: 132.3 lbs
Dimension.....	ECU: 6" x 12" x 19" (inches) ESS: 27.5" x 13.5" x 8.3" (inches)

INCLUDES:

Automatic Transfer Switch