

## Product Specification Sheet

### MECHANICAL SPECIFICATIONS

Dimensions	400 x 262 x 257 mm / 15.7" x 10.3" x 10.1"
Weight	15.9 kg / 35 lb
<b>Operating Temperature</b>	
Charging	0°C ~ 45°C (32°F ~ 113°F)
Discharging	-20°C ~ 55°C (-4°F ~ 131°F)
Storage Temperature	-10°C - 45°C (<1 mo.), -10°C~35°C (<3 mo.), 0°~30°C (>3 mo.)

### INVERTER OUTPUT

Wave Form	Pure Sine Wave
Max Output	1000 W
Rated Voltage	230 V
Rated Frequency	50 Hz

### RATED DC OUTPUTS

<b>12V Outlet</b>	
Rated Voltage	12 V
Maximum Rated Current	15 A

<b>Double USB Outlet</b>	
Open Circuit Voltage	4.75 - 5.25 V
Min-Max Current	1 - 2000 mA

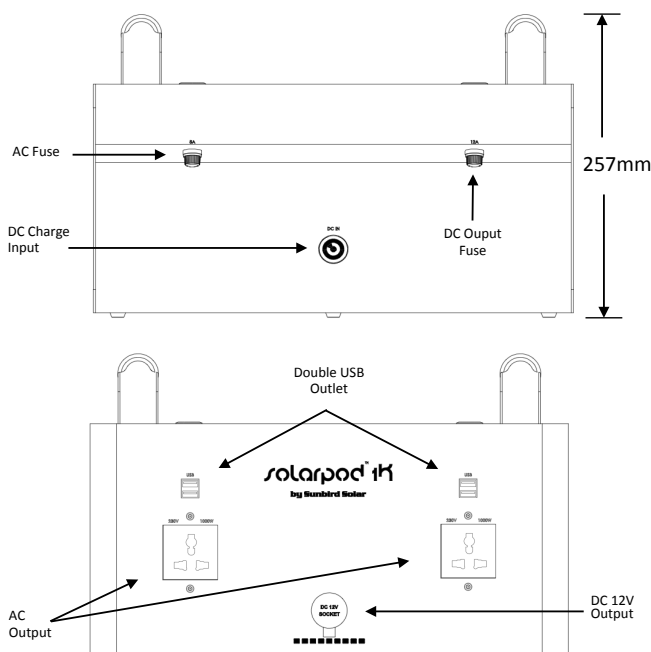
### BATTERY

Battery Type	LiFePO <sub>4</sub>
Rated Capacity	40 Ah
Rated Voltage	25.6 V
Rated Power Capacity	960 Wh
Cycle Life	>2000

### STANDARD PACKAGE CONTENTS

Solarpod 1K™ by Sunbird Solar	1 pc
Solarpod 1K™ AC/DC Charger	1 pc
Solarpod 1K™ Solar Charge Regulator	1 pc
Solarpod 1K™ User Manual	1 pc
Back-up AC & DC Fuses	4 pcs
Warranty	24 Months

### PRODUCT FEATURES



### RATED INPUTS

Solarpod™ Solar Panel	120 W
AC/DC Adaptor	29 V 10 A
12V Car Charger	29 V 5 A

### CHARGING

120W Solar Panel Charging	10 Hrs (under optimal conditions)
AC/DC Adaptor	4-1/2 Hrs

### PROTECTIVE CIRCUITS

Short Circuit Protection	Yes
Over Voltage Protection	Yes
Under Voltage Protection	Yes
High Temperature Protection	Yes
Fan Cooled	Yes
Fused AC Outlet	Yes
Fused DC Outlet	Yes

### ELECTRICAL PERFORMANCE

Solar Charge Efficiency	98%
AC Charge Efficiency	76%
AC Output Efficiency	87%
12V DC Output Efficiency	95%
USB DC Output Efficiency	98%

