

October 2012



## INTELLI-WAVE Inverter

### 12V 2000W Pure Sine Wave

Projecta's most powerful pure sine wave inverter, the IP2000 offers all the class leading features of the Intelli-Wave range with the added benefit of a sophisticated AC transfer switch which ensures a quick transfer of power when switching between mains and battery power. The automatic change over function eliminates the need to manually swap over AC plugs or be switching dials between the two power sources.

Offering ultra clean power delivery and rugged construction the IP2000 is ideally suited to the demanding requirements of running larger appliances often found in caravans such as microwaves.

#### FEATURES



**AC Transfer Switch**

Ensures quick power transfer when switching between mains and battery power



**Remote Control**

LCD display and remote control unit provide information on battery voltage, power usage and load capacity



**Eco Mode**

Reduces power consumption extending battery run time



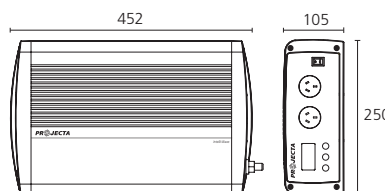
**Wiring kit**

Battery lugs with 1100mm battery cable



**Approved Output Sockets**

AS/NZS approved 240V sockets. Inverter complies with Australian standard AS4763



#### P/No. IP2000

12V 2000W Pure Sine Wave Inverter with Automatic AC Transfer Switch

Barcode: 9315219122001

Availability: Ex Stock

Carton Qty: 1

#### SPECIFICATIONS

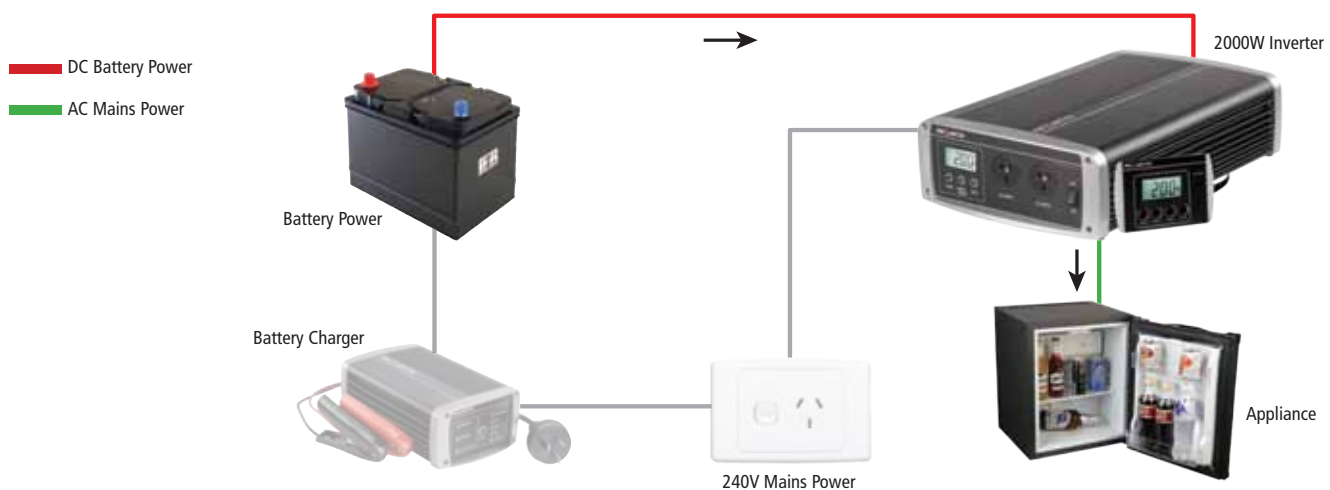
INPUT	12V DC, 200A Max
NO LOAD CURRENT DRAW	1.0A/5mA Eco
OUTPUT	240V AC 50Hz (Pure Sine Wave)
OUTPUT POWER	2000W Continuous (4000W Peak)
INVERTER CLASSIFICATION	Equipotentially Bonded (EPB)
EFFICIENCY	85-90%
LOW BATTERY ALARM/SHUTDOWN	Alarm 10.5V, Shutdown 9.75V ( $\pm 0.2V$ )
COOLING FAN	Automatic temperature controlled
THERMAL SHUTDOWN	65° ( $\pm 5^{\circ}C$ )
FUSE	350A Mega fuse
IDEAL BATTERY SIZE	85-400Ah
MINIMUM BATTERY SIZE	85Ah, 600CCA
RUN TIME WITH 2000W ON 85AH BATTERY	5 min
RUN TIME WITH 100W GLOBE ON 85AH BATTERY	7 hours
APPROVALS	Electrical Safety, EMC

## IP2000 AC Transfer Switch

The Projecta 2000 Watt Pure Sine Wave Inverter includes a built in automatic AC Transfer Switch. The switch allows an appliance to be powered from either mains power or the inverter (battery power). The inclusion of the AC transfer makes it ideal for permanent installation into caravans, motor homes, work vehicles etc ensuring a quick transfer of AC power when switching from battery power to mains power and vice versa. The automatic change-over function means there is no need to manually swap over AC plugs or be switching dials between the two power sources.

To ensure a continuous flow of power to the appliance when switching to mains power supply, the IP2000 has been engineered to wait 3 seconds for the power to be steady before switching in a super fast 20 millisecond (0.02seconds) change-over. This guarantees smooth change over and minimises interruption when running appliances, e.g. most TVs won't switch off etc. The IP2000 offers a number of advantages over a typical inverter/charger combination. Keeping the two units independent of one another allows you to combine the IP2000 with any size battery charger for the ultimate and tailor made set-up, and because they are two separate units either can operate without the other in the event that one fails. When mains power is available, the battery charger charges the battery and the mains power passes through the inverter and powers the accessories directly. When the mains is disconnected the battery charger stops working and the appliance automatically switches across to inverter power.

### Mains Disconnected



### Mains Connected

