

# INVERTERS



## MODIFIED SINE WAVE

72

Ideal for powering most household appliances



## PRO-WAVE

80

Specifically designed and built to deliver ultra clean, reliable power



## INTELLI-WAVE

88

Advanced pure sine wave technology ideal for running sensitive electrical devices



# INVERTERS

## POWER INVERTER SELECTION GUIDE

No matter the application or job at hand, Projecta has the inverter to address the need. From the entry level modified sine wave inverters ideal for the everyday user, to the pure sine wave options to handle the needs of the home handyman right through to the professional, simply find the appliance you wish to power and match it to the inverter size and model.\*

### APPLIANCE TYPE\*

■ Suitable for listed appliance

■ OK, dependent on size and type of appliance



USB  
2AMP



MOBILE  
PHONE  
5-30W



DIGITAL  
CAMERA  
4-19W



CAM-  
CORDER  
10-30W



PORTABLE  
STEREO  
4-50W



HAND-HELD  
GAME  
CONSOLE  
20W

### PART No.

### THE EVERYDAY USER

An extensive range of entry level inverters capable of powering most household appliances from a 12V battery, providing you with the comforts of home whilst off the grid. Approved to meet or exceed Australian and New Zealand standards, these inverters are safe and easy to use.



IM120

IM300

IM600

IM1000

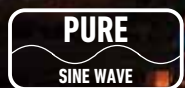
IM2000

IM1000-24

IM2000-24

### THE HOME HANDYMAN

For those looking to power more sophisticated household appliances, the Pro-Wave range of inverters utilise pure sine wave technology, which more closely replicates the 240V power you would find at home. Pro-Wave is perfect for the home professional in need of clean, reliable and safe power.



PW150

PW350

PW600

PW900

PW1800

### THE PROFESSIONAL

The ultimate solution for 240V power supply whilst off the grid Intelli-Wave inverters produce ultra clean power capable of powering the most sensitive appliances. Engineered to handle the rigours of industrial and RV leisure applications, Intelli-Wave is the number one choice for caravan, camper trailer and worksite vehicle manufacturers Australia wide.



IP150

IP300

IP600

IP1000

IP2000

IP2000-24

\*Not limited to these applications. IMPORTANT – Always check your inverter is matched to your appliances power requirements



FAN 30-60W	LAPTOP 60-250W	VIDEO GAME CONSOLE 4-50W	TV 100-160W	PRINTER 100-300W	PC 200-400W	SMALL FRIDGE 250-350W	SMALL POWER TOOLS 300-500W	JIGSAW 300-500W	HALOGEN LIGHT 500W	MICROWAVE 600-1100W	LARGE FRIDGE 750-1500W	CIRCULAR SAW 1000-1400W	ELECTRIC IRON 1000-1500W	ANGLE GRINDER 1000-2000W	TOASTER 1000-2000W	COFFEE MACHINE 1000-2000W
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# INVERTERS

## THE INTELLI-WAVE RANGE



IP150 | 12V 150W



IP300 | 12V 300W



IP600 | 12V 600W



IP1000 | 12V 1000W

### NO MATTER THE APPLIANCE, LEAVE IT TO INTELLI-WAVE

With class leading pure sine wave technology, Intelli-Wave delivers ultra clean power and unrivalled peak power performance to effortlessly run all your favourite appliances. Available from 150 up to 2000 Watts and featuring remote off/on switching on selected models, the Intelli-Wave range of inverters offer unsurpassed reliability and convenience.



### FEATURES & BENEFITS



#### PEAK POWER

Intelli-Wave inverters feature exceptional peak power performance (200% capacity for 3 secs, 140% capacity for 3 mins) allowing them to effortlessly run demanding appliances such as fridges etc. All Intelli-Wave inverters are designed to Australian standards for safety and peace of mind.



#### SHOCK & DUST PROOF

Constructed from extruded aluminium, Intelli-Wave inverters are dust proof and shock resistant. The circuit boards have been conformal coated to protect against moisture and other elements so they are suitable for use in a range of locations.



#### REMOTE CONTROL\*

The remote control display allows you to monitor the inverter's performance and power supply levels while mounting the inverter out of the way and out of sight. Detailed information includes battery voltage (volts) power usage (watts) and load capacity (%).

\*On selected models



#### SAFE & EASY

Safety is paramount around 240V and in particular with inverters. All Intelli-Wave inverters are fully electrically isolated and equipotentially bonded (EPB) as per AS4763, ensuring the highest level of safety.



IP2000 | 12V 2000W



IP2000-24 | 24V 2000W

**2**  
YEAR  
WARRANTY



**PURE**  
SINE WAVE

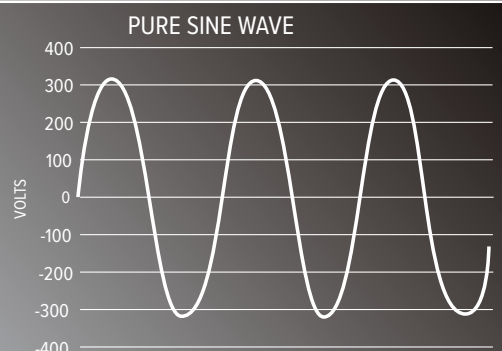
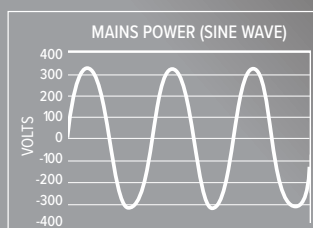
## THE INTELLI-WAVE ADVANTAGE

Engineered with the professional user in mind, these super robust and reliable pure sine wave inverters have been designed to handle the rigours of industrial and RV leisure applications. Along with producing ultra clean 240V power, the Intelli-Wave range features class leading 'Peak Power Performance'. This means they have the ability to power devices at 200% of their rated capacity for 3 seconds; in practice this means a 1000 watt Intelli-Wave inverter can power an appliance that requires 2000W at start up. What's more, it can run at 140% (1400W) of its rated capacity for a staggering 3 minutes.

It is no wonder Intelli-Wave is the number one choice for caravan, camper trailer and worksite vehicle manufacturers Australia wide.

### PURE SINE WAVE TECHNOLOGY

Intelli-Wave inverters produce ultra clean power, replicating what you would get from household mains power, ideal for the most sensitive electrical equipment.







# INVERTERS

## INTELLI-WAVE | IP150

### PURE SINE WAVE INVERTER

Compact in size yet producing ultra clean power, this sophisticated little unit is ideal for running sensitive electrical equipment such as laptop computers and more whilst on the move.

150 WATT  
12 VOLT

#### APPLICATION GUIDE



PURE  
SINE WAVE

2  
YEAR  
WARRANTY

### FEATURES & SPECS



#### APPROVED OUTPUT SOCKET

AS/NZS approved 240V socket. Inverter designed to Australian standard AS4763



#### L.E.D INDICATOR

Bi-colour status L.E.D and audible alarm



#### CIGARETTE LIGHTER PLUG

Fuse protected heat resistant plug with high current transfer tip and 0.6m lead



#### EFFICIENT DESIGN

Thermostatically controlled cooling fan

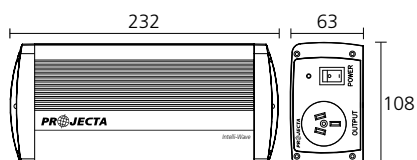


#### MOUNTING FLANGE

Convenient and robust mounting points

### SPECIFICATIONS

PART NO.	IP150
INPUT	12V DC, 15A Max
NO LOAD CURRENT DRAW	0.5A
OUTPUT	240VAC, 50Hz (Pure Sine Wave)
OUTPUT POWER	150W Continuous (300W Peak)
INVERTER CLASSIFICATION	Equipotentially Bonded (EPB)
EFFICIENCY	85-90%
LOW BATTERY ALARM	10.25 Volt
SHUTDOWN	9.75V ( $\pm 0.2V$ )
COOLING FAN	Automatic temperature controlled
THERMAL SHUTDOWN	65° ( $\pm 5^{\circ}C$ )
FUSE	30A (1 x 30A)
IDEAL BATTERY SIZE	50-70Ah
MINIMUM BATTERY SIZE	17Ah, 100CCA
RUN TIME WITH 150W ON 17Ah BATTERY	40 minutes
RUN TIME WITH 100W GLOBE ON 17Ah BATTERY	80 minutes
APPROVALS	Electrical Safety, EMC





## INTELLI-WAVE | IP300

### PURE SINE WAVE INVERTER

The ideal size for running smaller 240V appliances, this intelligent inverter is perfectly suited for permanent installation in vehicles where space is limited.

300 WATT

12 VOLT

APPLICATION GUIDE



PURE  
SINE WAVE

2  
YEAR  
WARRANTY

### FEATURES & SPECS



#### APPROVED OUTPUT SOCKET

AS/NZS approved 240V socket. Inverter designed to Australian standard AS4763



#### L.E.D INDICATOR

Bi-colour status L.E.D and audible alarm



#### WIRING KIT

Battery lugs with 900mm 2.5mm<sup>2</sup> battery cable



#### EFFICIENT DESIGN

Thermostatically controlled cooling fan

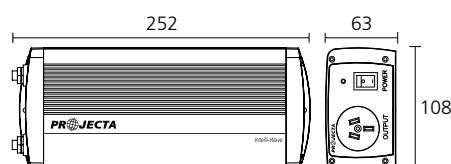


#### MOUNTING FLANGE

Convenient and robust mounting points

### SPECIFICATIONS

PART NO.	IP300
INPUT	12V DC, 30A Max
NO LOAD CURRENT DRAW	0.5A
OUTPUT	240VAC, 50Hz (Pure Sine Wave)
OUTPUT POWER	300W Continuous (600W Peak)
INVERTER CLASSIFICATION	Equipotentially Bonded (EPB)
EFFICIENCY	85-90%
LOW BATTERY ALARM	10.25 Volt
SHUTDOWN	9.75V ( $\pm 0.2V$ )
COOLING FAN	Automatic temperature controlled
THERMAL SHUTDOWN	65° ( $\pm 5^{\circ}C$ )
FUSE	60A (2 x 30A)
IDEAL BATTERY SIZE	50-70Ah
MINIMUM BATTERY SIZE	24Ah, 200CCA
RUN TIME WITH 300W ON 24Ah BATTERY	40 minutes
RUN TIME WITH 100W GLOBE ON 24Ah BATTERY	2 hours
APPROVALS	Electrical Safety, EMC





# INVERTERS

## INTELLI-WAVE | IP600

### PURE SINE WAVE INVERTER

Jam packed with features and delivering class leading performance, the IP600 is the perfect addition for anyone looking for ultra clean power whilst in remote locations. Its rugged construction allows permanent installation making it ideal for camper trailers, 4WDs and work vehicles.

600 WATT

12 VOLT

#### APPLICATION GUIDE



PURE  
SINE WAVE

2  
YEAR  
WARRANTY

### FEATURES & SPECS



#### APPROVED OUTPUT SOCKET

AS/NZS approved 240V socket. Inverter designed to Australian standard AS4763



#### REMOTE CONTROL

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



#### WIRING KIT

Battery lugs with 900mm 6mm<sup>2</sup> battery cable



#### EFFICIENT DESIGN

Thermostatically controlled cooling fan

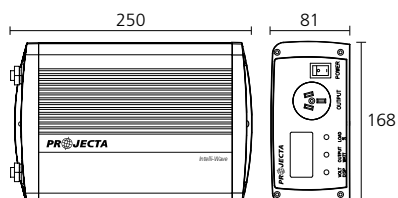


#### MOUNTING FLANGE

Convenient and robust mounting points

### SPECIFICATIONS

PART NO.	IP600
INPUT	12V DC, 60A Max
NO LOAD CURRENT DRAW	0.65A
OUTPUT	240VAC, 50Hz (Pure Sine Wave)
OUTPUT POWER	600W Continuous (1200W Peak)
INVERTER CLASSIFICATION	Equipotentially Bonded (EPB)
EFFICIENCY	85–90%
LOW BATTERY ALARM	10.25 Volt
SHUTDOWN	9.75V ( $\pm 0.2V$ )
COOLING FAN	Automatic temperature controlled
THERMAL SHUTDOWN	65° ( $\pm 5^{\circ}C$ )
FUSE	110A (2 x 40A, 1 x 30A)
IDEAL BATTERY SIZE	50–130Ah
MINIMUM BATTERY SIZE	50Ah, 400CCA
RUN TIME WITH 600W ON 50Ah BATTERY	30 minutes
RUN TIME WITH 100W GLOBE ON 50Ah BATTERY	4 hours
APPROVALS	Electrical Safety, EMC







## INTELLI-WAVE | IP1000

### PURE SINE WAVE INVERTER

With a peak power output of an astonishing 2000W, the IP1000 is the ideal inverter for powering all your electrical needs that require ultra clean power. Ideal for permanent installation this sophisticated inverter is perfectly suited to caravans and trade requirements.

1000 WATT

12 VOLT

APPLICATION GUIDE



PURE  
SINE WAVE

2  
YEAR  
WARRANTY

### FEATURES & SPECS



#### APPROVED OUTPUT SOCKET

AS/NZS approved 240V socket. Inverter designed to Australian standard AS4763



#### REMOTE CONTROL

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



#### WIRING KIT

Battery lugs with 1100mm 16mm<sup>2</sup> battery cable



#### EFFICIENT DESIGN

Thermostatically controlled cooling fan

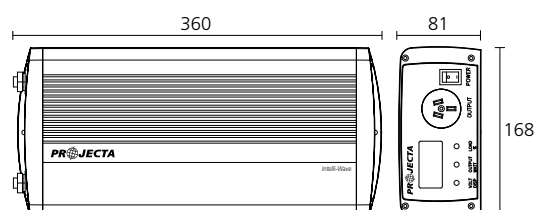


#### MOUNTING FLANGE

Convenient and robust mounting points

### SPECIFICATIONS

PART NO.	IP1000
INPUT	12V DC, 100A Max
NO LOAD CURRENT DRAW	1.2A
OUTPUT	240VAC, 50Hz (Pure Sine Wave)
OUTPUT POWER	1000W Continuous (2000W Peak)
INVERTER CLASSIFICATION	Equipotentially Bonded (EPB)
EFFICIENCY	85-90%
LOW BATTERY ALARM	10.25 Volt
SHUTDOWN	9.75V ( $\pm 0.2V$ )
COOLING FAN	Automatic temperature controlled
THERMAL SHUTDOWN	65° ( $\pm 5^{\circ}C$ )
FUSE	220A (4 x 40A, 2 x 30A)
IDEAL BATTERY SIZE	75-250Ah
MINIMUM BATTERY SIZE	75Ah, 550CCA
RUN TIME WITH 1000W ON 75Ah BATTERY	15 minutes
RUN TIME WITH 100W GLOBE ON 75Ah BATTERY	6 hours
APPROVALS	Electrical Safety, EMC





# INVERTERS

## INTELLI-WAVE | IP2000

### PURE SINE WAVE INVERTER | AUTOMATIC AC TRANSFER SWITCH

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. Delivering ultra clean power it is ideally suited to the demanding requirements of larger appliances often found in house boats, motor homes, caravans and so on.

2000 WATT

12 VOLT

#### APPLICATION GUIDE



PURE  
SINE WAVE

2  
YEAR  
WARRANTY

### FEATURES & SPECS



#### AC TRANSFER SWITCH

Ensures seamless flow of power when switching between mains and battery power (Refer p.96)



#### 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



#### SAFETY 'CUT OUT' SWITCH

RCD provides absolute protection for the user and devices being powered

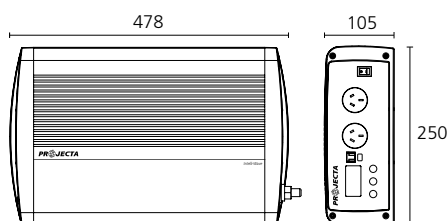


#### APPROVED OUTPUT SOCKETS

AS/NZS approved 240V sockets. Inverter complies to Australian standard AS4763 (AS3001 ready)

### SPECIFICATIONS

PART NO.	IP2000
INPUT	12V DC, 200A Max
NO LOAD CURRENT DRAW	10mA Eco
OUTPUT	240VAC, 50Hz (Pure Sine Wave)
OUTPUT POWER	2000W Continuous (4000W Peak)
INVERTER CLASSIFICATION	RCD Protected Inverter
EFFICIENCY	85-90%
LOW BATTERY ALARM	10.25 Volt
SHUTDOWN	9.75V ( $\pm 0.2V$ )
COOLING FAN	Automatic temperature controlled
THERMAL SHUTDOWN	65° ( $\pm 5^{\circ}C$ )
FUSE	350A Megafuse
IDEAL BATTERY SIZE	85-400Ah
MINIMUM BATTERY SIZE	85Ah, 600CCA
RUN TIME WITH 2000W ON 85Ah BATTERY	5 minutes
RUN TIME WITH 100W GLOBE ON 85Ah BATTERY	7 hours
APPROVALS	Electrical Safety, EMC, AS4763



NOTE: Cables provided, 1100mm

## INTELLI-WAVE | IP2000-24

PURE SINE WAVE INVERTER | AUTOMATIC AC TRANSFER SWITCH

Like its 12V counterpart, this 24V 2000W inverter is the biggest in the range. Delivering ultra clean power, a sophisticated AC transfer switch and Intelli-Wave's class leading peak power performance.

2000 WATT

24 VOLT

**NEW**

APPLICATION GUIDE



**PURE  
SINE WAVE**

**2  
YEAR  
WARRANTY**

### FEATURES & SPECS



#### AC TRANSFER SWITCH

Ensures seamless flow of power when switching between mains and battery power (Refer p.96)



#### 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



#### SAFETY 'CUT OUT' SWITCH

RCD provides absolute protection for the user and devices being powered

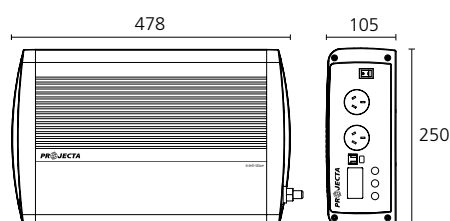


#### APPROVED OUTPUT SOCKETS

AS/NZS approved 240V sockets. Inverter complies to Australian standard AS4763 (AS3001 ready)

### SPECIFICATIONS

PART NO.	IP2000-24
INPUT	24V DC, 100A Max
NO LOAD CURRENT DRAW	10mA Eco
OUTPUT	240VAC, 50Hz (Pure Sine Wave)
OUTPUT POWER	2000W Continuous (4000W Peak)
INVERTER CLASSIFICATION	RCD Protected Inverter
EFFICIENCY	85-90%
LOW BATTERY ALARM	21.0 Volt
SHUTDOWN	19.5V ( $\pm 0.2V$ )
COOLING FAN	Automatic temperature controlled
THERMAL SHUTDOWN	65° ( $\pm 5^{\circ}C$ )
FUSE	350A Megafuse
IDEAL BATTERY SIZE	50-200Ah
MINIMUM BATTERY SIZE	50Ah, 400CCA
RUN TIME WITH 2000W ON 50Ah BATTERY	5 minutes
RUN TIME WITH 100W GLOBE ON 50Ah BATTERY	7 hours
APPROVALS	Electrical Safety, EMC, AS4763



NOTE: Cables provided, 1100mm



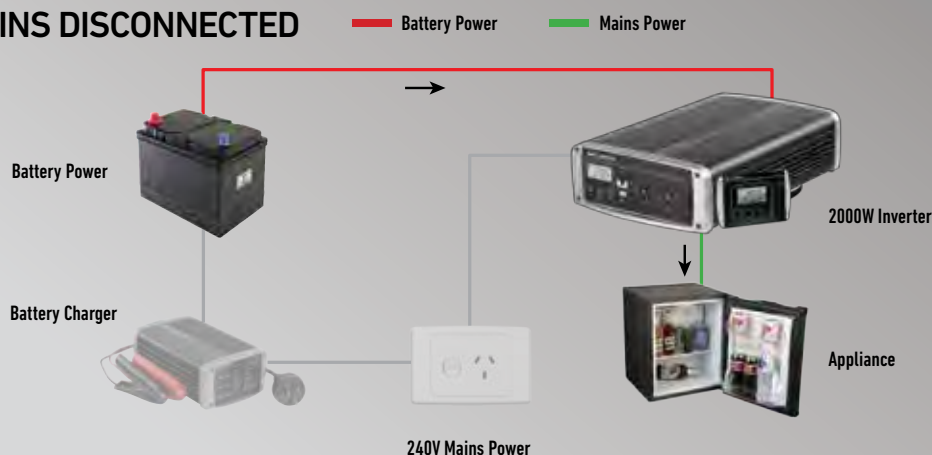


## INTELLI-WAVE | AC TRANSFER SWITCH

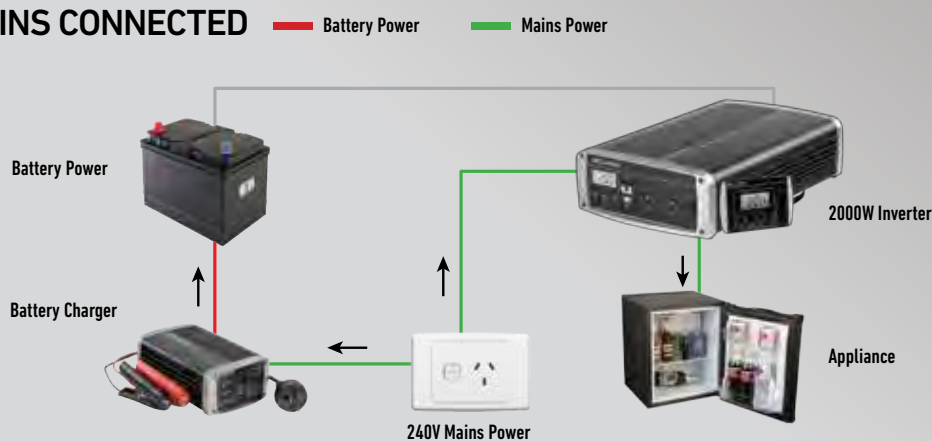
Projecta 2000 Watt Pure Sine Wave Inverters include a built in automatic AC Transfer Switch. The switch allows an appliance to be powered from either mains power or the inverter (battery power). The inclusion of the AC transfer switch makes it ideal for permanent installation in caravans, motor homes, work vehicles etc ensuring continuous and uninterrupted 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 switch dials between the two power sources.

To ensure a continuous flow of power to the appliance when switching to mains power supply, the IP2000 range has been engineered to wait 3 seconds for the power to be steady before switching in a super fast 20 millisecond (0.02 seconds) change-over. This guarantees smooth change over and means no interruption when running appliances, e.g. computers won't reboot, TVs won't switch off etc. The IP2000 inverter 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 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



## INVERTERS | ACCESSORIES

### RECOMMENDED FUSE

It is recommended that a circuit breaker or high current fuse be placed in the DC positive (+) line close to the battery to protect the cable from catching fire in the event of a short circuit.



	12 VOLT				24 VOLT	
INVERTER SIZE (WATTS)	300 /350	600	900/1000	1800/2000	1000 24V	2000 24V
Recommended Protection	IFB-40 40A auto reset circuit breaker	IFB-100 Fuse box with 100A ANL fuse	IFB-150 Fuse box with 150A ANL fuse	IFB-250 Fuse box with 250A ANL fuse	IFB-100 Fuse box with 100A ANL fuse	IFB-150 Fuse box with 150A ANL fuse
Replacement Fuse	-	IF-100 100A ANL fuse	IF-150 150A ANL fuse	IF-250 250A ANL fuse	IF-100 100A ANL fuse	IF-150 150A ANL fuse