

smart power
anywhere
MADE IN SWITZERLAND



150W



400W



800W



1600W



The new Generation 4 IBS Ultra Sine Inverters

generate 230VAC pure sine signal from 12V or 24V DC battery power. This power is the same quality as the power available from your power point at home. This is in stark contrast to the lower quality inverters on the market that produce power as modified sine wave, modified square wave, square wave, trapezoid or triangular wave. These older technologies have restrictions in various applications and can never be compared with pure sine inverters.

The Ultra Sine high frequency inverters are available with power outputs of 150W, 400W, 800W and 1600W. The Ultra Sine Inverters will safely operate sensitive measuring devices, medical equipment, computers, refrigerators as well as household and handicraft devices. The light and very compact inverters come in rugged aluminium cases. High surge power helps to start almost all appliances. Various protective circuits (under and over voltage, overload with **Dynamical Surge Control**, short-circuit and overheating) will guarantee best functionality. Highest safety is achieved by the galvanic insulation between battery and AC-output. If no appliances are connected the inverter returns after a time delay to the power saving stand-by mode. The optional remote switching control RP03 is available if the access to the installed inverter is not easy. The models 800W and 1600W are available in a waterproof version (IP66) as USi80 and USi160 model. Durable die cast aluminium housing is absolutely waterproof and withstands most extreme outdoor situation. **Inverter Applications:** 4WD, service and emergency vehicles, police, mobile homes, mountain huts, telecom stations **Appliances US160:** coffee machine, hairdryer, vacuum cleaner, milk machine,fridge, laser printer, steel cutter

Model	US15/12V	US40/12V	US80/12V	US160/12V
Rated output	150W (at 20°C)	400W (at 40°C)	800W (at 40°C)	1600W (at 40°C)
Input voltage	11-15V	11-15.5V	10.5-15.5V	10.5-15.5V
Efficiency	85%	90%	90%	90%
Model	US15/24V	US40/24V	US80/24V	US160/24V
Rated output	150W (at 20°C)	400W (at 40°C)	800W (at 40°C)	1600W (at 40°C)
Input voltage	22-30V	22-31V	21-31V	21-31V
Efficiency	86%	91%	91%	91%
Specification for all models				
Microcontroller / number	yes / 1	yes / 2	yes / 2	yes / 2
Maximum power(surge)/DSC	150W/no	800W / DSC	2200W / DSC	4500W / DSC
Output meter	no	no	yes, 50-800W	yes, 50-1600W
Temperature operating range	0°..+40° C	-20°..+40° C	-20°..+40° C	-20°..+40° C
Stand-by consumption	<2.4W	<0.5W	<0.5W	<0.5W
Stand-by load sensing	Not available	>2.5W	>15-30W	>15-30W
Signal at any load	100% pure sine	100% pure sine	100% pure sine	100% pure sine
Output voltage	225VAC/50Hz	230VAC/50Hz	230VAC/50Hz	230VAC/50Hz
Low battery / automatic Reset	yes / yes	yes / yes	yes / yes	yes / yes
Remote control	Not available	optional, RP03	optional, RP03	optional, RP03
Size	245x120x70	258x142x62mm	370x195x68mm	417x257x83mm
Weight	1.3kg	1.7kg	3.6kg	5.5kg
Power Terminal for power wiring	no	no, fix wires	yes, 2xM6	yes, 2xM8
Power lead included	yes Cigarette plug	yes, 10mm2	yes, 25mm2	yes, 50mm2



Remote control panel RP03 for US40/80/160

Distributor: