



Mobile Power System

230VAC battery for the power supply
of mobile applications



Product specifications

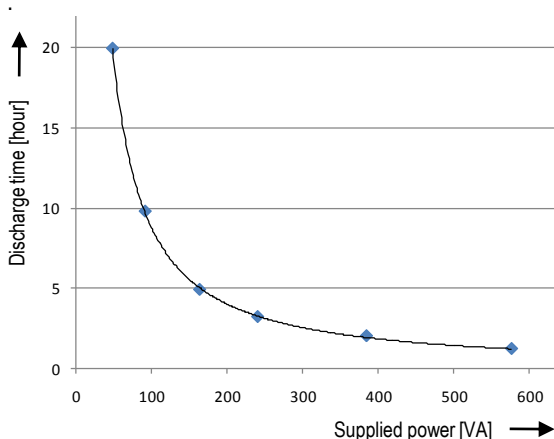
Mobile Power System

The Mobile Power System is a voiding system that supplies 230VAC voltage from a power pack. This system has been developed to provide void voltage to mobile medical electrical equipment without the need to connect this system to a wall socket. In addition this system can be used as UPS for medical systems so that the connected equipment remains working when there is a power failure.

How does it work?

The system passes on the incoming mains voltage to the four outlets via a medical isolation transformer. The four outlets are switched over to an inverter as soon as the incoming mains current fails. This inverter generates a sinusoidal 230VAC, the same as comes from a wall socket, from a 24V power pack. In this fashion the connected equipment will remain working when the incoming mains power fails.

The capacity of the batteries is so great that power can be generated from them for a long period. The length of this period depends on the capacity supplied. The graph below gives an indication of the discharge time as a function of the capacity supplied.



A monitor using 100Watt (100VA) can be provided with energy for about 10 hours.

Application

The Mobile Power System is suitable for fitting on a Crozz One cart. Along with various critical applications requiring an uninterrupted power supply (UPS), this system can also be used to power systems without cables from the cart running over the floor. An example is the wireless monitor below.

Specifications



Specifications

Dimensions wxdxh	430x442x230	[mm]
Weight	65	[kg]
Mains voltage (in and out)	230	[VAC]
Classification	EN 60601-1	
Earth potential balancing	POAG-6	
Output	4x IEC320	
Max. power to be supplied	600	VA
Battery capacity	1200	VAh

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