



10' Containerised Modular UPS



ONLINE



Modular



3:3

THE SOLUTION

The MultiBox252 containerised solution from Constant Power Services Ltd utilises our high performance Multi Power Modular UPS System to provide a scalable, reliable, clean & uninterrupted Emergency power source. A compact 10' ISO container houses an impressive 252kW N+1 UPS cabinet, dual string battery system, associated switchgear, air-conditioning and general lighting/small power. A Diesel Generator changeover panel and connection point provides the flexibility of adding sustained power should the application dictate.

SPACE OPTIMISING

The MultiBox252 helps to optimise space within the facility eliminating the need for dedicated and controlled environments within data centres

and plant rooms. Simply locate the container externally to utilise internal floor space critical IT Infrastructure.

PERMANENT OR TEMPORARY

Available for both permanent installations as well as short and long term rental agreements. Renting will avoid the higher capital costs and provides peace of mind that equipment is fully monitored, maintained & inspected by Constant Power Services for a fixed monthly fee with no risk of any additional or varying costs. A purchase investment can provide an effective emergency solution; conveniently deployed to various sites as and when required.

FAST AND CONVENIENT

The fully populated container is easy to transport, connect and commission for multi-site clients; even across countries. The MultiBox252 solution

provides the flexibility and speed which is demanded by today's critical applications.

HIGHLIGHTS

- 1 to 7 off 42kW (252kW+1)
- Compact 10' Solution
- Simple Transport, Handling, Connection & Commissioning
- Dual String BS6290 pt 4 battery system
- ATS & Terminals for Generator Connection
- Integrated Air Conditioning Unit
- Integrated "Riello Connect" GSM UPS Monitoring
- High Efficiency UPS (95.7 to 96.2%)
- Low Harmonic UPS (<1.5% THDi)

THE MULTI POWER MODULAR UPS

The Riello Multi Power (MPW) is the ultimate modular UPS for Data Centres and other critical loads. Designed to protect any critical high-density IT environment, whilst achieving maximum availability. As demand increases, the Riello MPW solution can expand its power capability, maintaining the highest levels of power protection, availability and redundancy. Replacement or additional power modules are readily available from UK stock.

MPW POWER MODULE

The MPW Power Modules feature the very latest three level Neutral Point Clamped (NPC) inverter and Power Factor Corrected (PFC) input control. This ensures the highest level of performance in terms of overall efficiency, input power factor and harmonic impact on the supply source. The MPW guarantees full rated power with unity power factor loads (kVA=kW) without any power downgrading even when operating at temperatures up to 40°C.

MODEL	MultiBox252					
POWER	42kW+l	84kW+ 1	126kW+l	168kW+l	210kW+l	252kW+l
INPUT						
Input Terminals	Dual Feed Copper Bars for Lugged Cables + ATS connections for transfer of Mains/Genset or Duty/Standby					
Nominal Voltage	400Vac + Neutral+ Earth					
Voltage Range	320-480Vac@ load 100% / 240-480Vac@ load 50%					
Input Current	100A	200A	250A	350A	410A	500A
Nominal Frequency	50 or 60 Hz ±5Hz					
Power Factor	0.99					
Current Distortion	≤1.5%					
OUTPUT						
Output Terminals	Copper Bars for Lugged Cables					
Nominal Voltage	400Vac +Neutral+ Earth (configurable to 380/400/415Vac)					
Voltage Distortion	< 2% with linear load / < 3% with non-linear load					
Output Current	62A	124A	187A	249A	311A	373A
Overload	>100% ≤125% for 10 mins >125% ≤150% for 1 min					
BATTERY						
Autonomy (mins)	120	55	30	20	15	10
Configuration	Dual String					
POWER MODULE						
Rating	42kVA/ 42kW					
AC/AC Efficiency(% load)	95.8% (@100%) 96.1% (@75%) 96.2% (@50%) 95.7% (@25%)					
GENERAL						
Gross weight (kg)	7300					
Dimensions (hwd) (mm)	2590 x 2430 x 3000					
Cooling	Battery Section - Air Conditioned UPS Section - Forced Air (3800m3/h)					
Manual Bypass	Included					
Communications	"Riello Connect" GSM Remote Monitoring Facility					
Engineers Support	Rapid Response 4hr Call Out Facility					
Operating Temperature	0-40°C					
Max Relative Humidity	90% (without condensation)					

