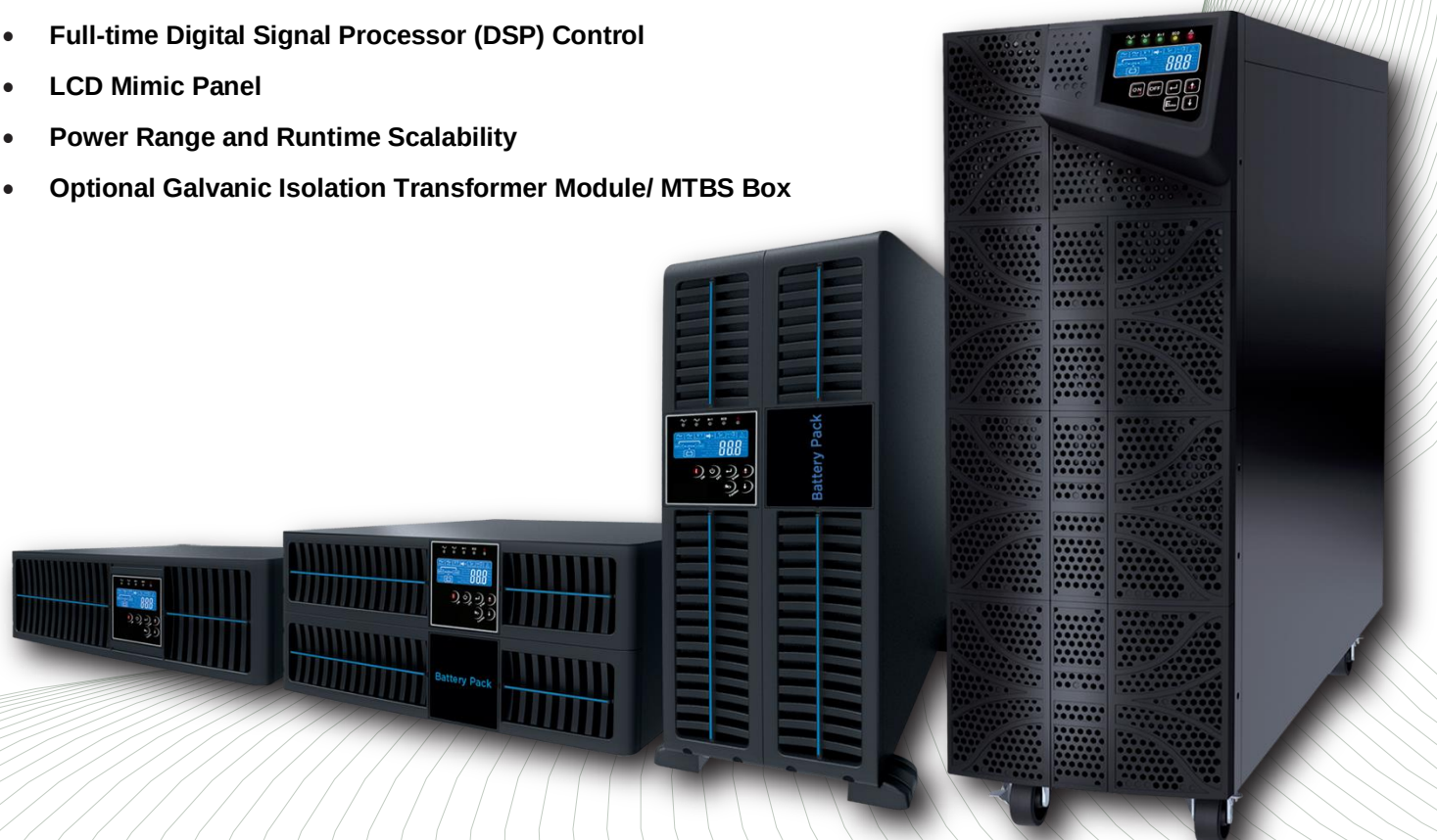
USV
UNINTERRUPTIBLE
POWER SUPPLY

MS III Series
Redundancy On-Line UPS

The Mars III series On-line double conversion UPS with full-time Digital Signal Processor control technology is the perfect solution for mission critical user who demand high reliability, availability and performance from a UPS. Input power factor correction, high efficiency and parallel redundant capability provide a superior level of power quality for sensitive electronic equipment and computer loads.

HIGHLIGHTS

- **Output Power Factor 1**
- **Rack/Tower Convertible Design**
- **Patent Backup Runtime Estimation**
- **Flexible Battery Configuration**
- **Easy Parallel Installation**
- **Frequency Converter Operation Mode**
- **Smart ECO Mode**
- **Generator Compatible**
- **Full-time Digital Signal Processor (DSP) Control**
- **LCD Mimic Panel**
- **Power Range and Runtime Scalability**
- **Optional Galvanic Isolation Transformer Module/ MTBS Box**



SPECIFICATIONS

MODEL			MS III 6K		MSIII 10K	
Input	Phase		Single + G			
	Voltage Range**		110Vac~280Vac			
	Frequency Range		45~70Hz (Auto Sensing)			
	Input Current Distortion		≦3%			
	Input Power Factor		≧0.99 @ Full Load			
Output	Capacity		4500VA/4500W	6000VA/6000W	8000VA/8000W	10000VA/10000W
	Voltage		200/208/220/230/240Vac (240/208Vac+120Vac w/output transformer option)			
	Output Power Factor***		1			
	Output Voltage Distortion		≦1% @ 100% Linear load			
			≦3% @ 100% non-linear load with PF=0.9			
	Output Voltage Regulation		±1%			
	Frequency Range (Synchronized Range)		±1Hz or ±3Hz (Selectable)			
	Crest Factor		3:1			
	Output Waveform		Pure Sine Wave			
Efficiency	Line Mode		93%		94%	
	High Efficiency Mode		98%			
Battery	Number of Battery		12/14/16/18/20		16/18/20	
	Battery Type		Sealed Lead Acid Maintenance			
	Recharge Time (to 90%)		4 hours			
	Charger		3-mode, 2.1A(max.), Temperature compensation(Option)			
Display	Status On LED + LCD		Line Mode, Backup Mode, ECO Mode, Bypass Supply, Battery Low, Battery Bad/Disconnect, Overload, and Transferring with interruption & UPS Fault			
	Readings On LCD		Input Voltage, Input Frequency, Output Voltage, Output Current, Output Frequency, Load Percentage, Battery Voltage & Inner Temperature			
	Self-Diagnostics		Upon Power-on, Front Panel Setting & Software Control, 24 hours routine check			
Alarm	Audible or Visual		Line Failure / Battery Low / Transfer to Bypass / System Fault			
Protection	Full Protection		Overload, Over temperature, Short circuit, Discharge, overcharge			
Function	Multi-Mode		Normal/ ECO/ CVCF			
	DC start		Yes			
	Parallel capacity		up to 4 units			
	Parallel redundancy		3+1			
Physical	Tower Model	Dimensions (WxHxD, mm/inch)	240x700x513 / 9.5x27.6x20.2		288x700x661 / 11.3x27.6x26	
		Net Weight (kgs/lbs)	93/205		94/207.2	
	RT Model	Dimensions (WxHxD, mm/inch)	2U: 440x88x680 / 17.3x3.5x26.8		3U: 440x132x680 / 17.3x5.2x26.8	
		Net Weight (kgs/lbs)	18.5 / 40.8		21.5/47.4	
	RT Model (with Battery)	Dimensions (WxHxD, mm/inch)	440x176x680 / 17.3x6.9x26.0		-	
		Net Weight (kgs/lbs)	60/132.3 (5Ahx20)		-	
Environmental	Operation Temperature		0- 40°C			
	Operation Humidity		20%~95%RH (Without condensation)			
	Altitude		1000m/3300ft without Derating			
	Noise Level		≦55dBA @ 1 Meter		≦60dBA @ 1 Meter	
Interface	Standard		USB, EPO			
	Option		2nd RS232, USB, RS485, Dry Contact Relay, SNMP/WEB Card			
	Compatible Platforms		Microsoft Windows series, Linux, Mac, etc.			
Standards and Certifications**	Safety		EN62040-1, UL1778			
	EMC		EN62040-2, EN61000-3-2, EN61000-3-3, FCC Class A			
	Marks		CE, UL, cUL, FCC			

BATTERY BANK

UPS model	Code	Max Battery number / String	Max Battery Quantity	Dimension (HxWxD mm)
MSIII 6K~10K Tower	BT602403	20	60	700x288x657 / 27.6x11.3x25.9
MSIII 6K~10K RT	C20X3U00	20	20	88x440x483.5 / 3.5x11.3x26.9

* Specifications subject to change without notice, and the final explanation rights are reserved by USV Kft.
** Depending on load percentage
*** Depending on battery application
**** Depending on the model and voltage, more information please contact with USV Kft.

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