

Mission 6K 10K

Single-phase uninterruptible power supplies



Uninterruptible power supplies

MODEL		MISSION 6KVA	MISSION 10KVA
NOMINAL POWER		6000VA / 5400W	10000VA / 9000W
INGRESSO	Input	Single-phase	
	Power Factor	≥ 0.9 (input THDV $\leq 1\%$)	
	Nominal Voltage	220VAC / 230VAC / 240VAC	
	Nominal Frequency	50Hz/60Hz automatic selection	
	Voltage Range	120~276Vac	
	Frequency Range	45~65Hz	
	Bypass Voltage range	220Vac max : default +25% (+10%, +15%, +20%, +25%) 230Vac max : default +20% (+10%, +15%, +20%) 240Vac max : default +15% (+10%, +15%)	
		min : default 45%(-20%, -30%, -45%,)	
	Bypass Frequency range	$\pm 1\%$ - $\pm 2\%$ - $\pm 4\%$ - $\pm 5\%$ - $\pm 10\%$	
	THDi	$\leq 3\%$ (100%linear load, input THDV $\leq 1\%$)	
		$\leq 5\%$ (100%non linear load, input THDV $\leq 1\%$)	
BATTERIA	Number of batteries	16 blocks Standard - 18/20 blocks (configured)	
	Type of battery	12V/7Ah	12V/9Ah
		Maintenance-free, sealed lead-acid	
	Type of recharging	Fast charging or trickle charge automatically	
	Recharge time	Fast up to 20h (Max)	
USCITA	Maximum recharge current	1A (standard unit)	
	Output	Single-phase	
	Voltage tolerance	$\pm 1.0\%$	
	Voltage distortion (THD)	Less than 2% with 100% linear load	
		Less than 5% with 100% non linear load	
USCITA	Nominal Voltage	220V/230V/ 240Vac selectable	
	Frequency regulation	$\pm 0.1\%$ (single unit)	
		$\pm 0.25\%$ (parallel units)	
	Frequency	When Mains present: UPS takes the same	
		In battery mode: 50Hz / 60Hz	
	Frequency synchronization	1Hz/s (single unit)	
		0.5Hz/s (parallel units)	
	Overload with mains presence	105 % ~ 110 %, 1h max.	
		110% ~ 125%, 10 min max.	
		125% ~ 150%, 1 min max.	
		> 150% switch to bypass	
	Overload on bypass	Feed the laod for long time if output current is <125%	
		Overload on Bypass is limited by the switch on bypass line.	
	Crest factor	3:1	
	AC efficiency	$\geq 90\%$	
	Dynamic response	$\pm 5.0\%$ (with load 0% to 100%)	
		$\leq 5\%$ in one cycle	
	Current limit on inverter output	When istantaneous current is 2 ~ 3 times than nominal peak current (1.414 *nominal power/(3 * 220)) the inverter enter in current limitation mode	
	DC component	$\leq 200\text{mV}$	

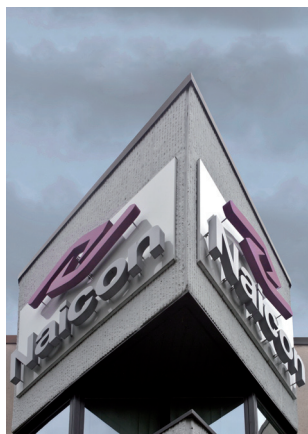
MODEL		MISSION 6KVA	MISSION 10KVA
POTENZA NOMINALE		6000VA / 4800W	10000VA / 8000W
SWITCH TIME	from Mains to battery	0ms	
	from Inverter to bypass		
Noise		<55dB (1m)	
Display		LED + LCD	
Safety		compliant with IEC62040-1, GB4943	
EMI		Conduction: IEC 62040-2	
		Radiation: IEC 62040-2	
		Armonics: IEC 62040-2	
EMS		IEC 62040-2	
Insulation resistance		> 2M Ω (500Vdc)	
Voltage insulation		2820Vdc, <3.5mA, 1min	
Voltage spikes		compliant with IEC60664-1 1.2/50uS+8/20uS 6KV/3KA	
IP protection grade		IP20	

Environmental conditions

MODEL	MISSION 6KVA	MISSION 10KVA
Temperature	0°C ~ 40°C (battery excluded)	
Humidity	0 ~ 95% no condensation	
Altitude	<1500m if >1500m power is reduced	

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MODEL	MISSION 6KVA	MISSION 10KVA
Height (mm)	616	
Width (mm)	250	
Depth(mm)	502	
Weight (Kg)	62	64
Color	black	



Naicon srl Via il Caravaggio, 25 Trecella
I-20060 Pozzuolo Martesana - Milano (Italy)
Tel. +39 02 95.003.1 Fax +39 02 95.003.313
www.naicon.com e-mail: naicon@naicon.com