Ablerex

Experts in Power Conversion



TAURMHL Series

Online 3Ph UPS Double Conversion

Caracteristics:

- 480v Modular UPS 3ph without neutral.
- Rectifier and inverter with Three level technology
- 96% efficiency and 99% on Eco mode
- Power Factor 1.0
- Hot swap power modules and static switch
- Large colorful touch screen and mimic display
- power walk in capability.
- Bypass static and manual for maintenance.
- 3U 70 kW power modules
- High overload capability
- Flexible battery string configuration
- Redundancy N+N & N+1 for better availability

Designed to easily scale in power to protect any critical load on the data center, hospital and industry achieving maximum availability
The MHLseries has the latest full IGBT technology that guarantees high efficiency up to 96% with great overload capacity and very high harmonic distortion.
Reduced maximum < 2% THDu and <4% THDi input making this UPS one of the the most reliable offering excellent option for large and medium-sized infrastructures offering massive power and overload capacity in a very small space.
Optional switch cabinet for easy installations

HEALTHCARE INDUSTRY NETWORKING DATA-CENTERS CRITICAL LOADS

Specifications

MODEL			TAURMHL350K70X	TAURMHL700K70X
System capacity			70 ~ 350 kW (up to 5 modules)	350 ~ 700 kW (up to 10 modules)
Power module capacity			70 kVA / 70 kW (AB-TAURMHL70K)	
Input	Double conversion		Standar	
	Phases		Nominal input voltage 480 V (3-phase 3-wire + N + PE); 480V (3-phase 3-wire+PE)	
	Voltage range		330 Vac~ 528 Vac	
	Nominal frequency		50/60 Hz (auto-sensing)	
	Frequency range		40 Hz ~ 70 Hz	
	Power Factor		> 0.99 at 100% load	
	THDi		< 4% @ 100% load	
Output	Nominal Voltage		Nominal output voltage 480 V (3-phase 3-wire + N + PE); 480V (3-phase 3-wire+PE)	
	Voltage regulation		± 1% Typical (balance load)	
	Nominal Frecuancy		50/60 Hz	
	Frequency		0.1%	
	Power Factor		1	
	THDu		≤2% THD (lineal load) y ≤4% THD (non-lineal load)	
	Crest factor		3:1	
	Inverter overload		1 hour for 110%, 10 min for 125%, 1 min for 150%	
Battery	Voltage		+/- 192 V ~ +/-240 (selectable)	
	Battery number		12 Vdc x 32 / 36 / 40 units user selectable	
	Temp. compensation		yes	
	Charger current		18 amps maximum for each power module (user ajustable)	
	Battery cabinets		different sizes and power capabilities are offered for local solutions	
System	Efficiency		up to 99% ECO mode and up to 96% On Line mode.	
	Display		Colorful touch 10" LCD + mimic led display and touch buttons	
	Protection grade		IP 20	
	Interface		RS232, RS-485, programable Dry Contacs, USB	
	Options		SNMP Card, parallel kit, SPD, LBS, Dust filter	
	Temperature		Operation: 0 ~ 40 ℃ Storage: -12 ~ 70 ℃	
	Relative Humidity		0 ~ 95% non-condensing	
	Altitud		<1000 m. full nominal power	
	Noise (1 mtr)		up to 72 dB depending on the load	
Mechanic	Weight (kg)	Full cabinet	516	984
		Power Module	44	
		Battery module	External Battery Cabinets availability	
	Dimensions D*W*H(mm)	Cabinet	1100 x 600 x 2010	1100 x 900 x 2000
		Power module	750 x 438 x 130 (3U)	
		Battery module	External Battery Cabinets avialability	
Standars	Safety		UL1778, CSA C22.2 No. 107.3-05	
	EMC		FCC Part 15, Sub-part B Class A	

*Specifications are subjet t ochange without previous notice



