

VFI 20k-80k TAP PFI 3/3 BX



ECO Mode
IGBT PWM Control



Unity
Power Factor



Parallel
Connectivity



Optimized Battery
Management



Touch-Screen



LCD Display

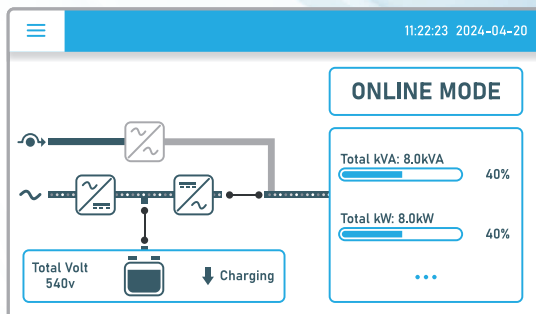


20-40 kVA

60-80 kVA

- ◆ Three-step IGBT PWM control technology, online mode efficiency up to 96%, ECO mode efficiency up to 99%.
- ◆ Output power factor 1, provides more active power.
- ◆ Tower UPS, modular design, MTTR < 30 mins.
- ◆ Higher density reduces up to 50% of the footprint.
- ◆ Powerful charger declines the charging time dramatically.
- ◆ Predictable component lifetime enhances system reliability.
- ◆ Optimized parallel technology, eliminates single point of failure.
- ◆ Optimized battery management (OBM) technology, extended batteries life by 50%.
- ◆ Battery 32-44 adjustment provides a more flexible battery configuration.
- ◆ A 5-inch color touch LCD with 8 languages provides a userfriendly interface for operation.

Convenient Management



- ◆ Equipped with a LED status indicator
- ◆ A vibrant 5" touch screen with 8 language
- ◆ Convenient for users to check the status of the equipment, operation and maintenance operations.

Model	VFI 20k TAP PFI	VFI 30k TAP PFI	VFI 40k TAP PFI	VFI 60k TAP PFI	VFI 80k TAP PFI
Power Capacity	20 kVA / 20 kW	30 kVA / 30 kW	40 kVA / 40 kW	60 kVA / 60 kW	80kVA / 80 kW
Input					
Topology	PWM, IGBT based				
Rated Voltage	230/400 Vac nominal (220/380, 240/415 Selectable)				
Voltage Range	190/330 - 276/478 V (-15%, +20%) at 100% load, 116/201 - 276/478 V (-50%, +20%) at 50% load				
Input Power Factor	0.99				
THD (i)	< 3%				
Rated Frequency	50 / 60 Hz auto sensing				
Frequency Range	40 - 72 Hz				
Output					
Power Factor	1.0				
Efficiency	Up to 96% in online mode; >99% in ECO mode				
Output Voltage	230Vac/400Vac \pm 1% (380/415Vac selectable)				
Output Frequency	50/60Hz				
Overload Capacity	102 - 110% load 60 min, 111 - 125% load 10min, 126 - 150% load 1 min, > 150% load 150 msec at 40°C				
THDV	< 2% for Linear load				
Unbalanced Load	100%				
Crest Factor	3:1				
Bypass					
Internal Static Switch	Standard				
Bypass Voltage	230/400V nominal (220 / 380, 240 / 415 Selectable), 195 / 338 - 264 / 458 V (\pm 15% of nominal, selectable up to \pm 20%)				
Maintenance Bypass Switch	Standard				
Battery					
Battery Type	VRLA / NiCd / Lithium				
Backup Time	Varies from battery capacity and load situation				
Battery Voltage	320 V ~ 607 V, default 432 V				
Communication					
Interface	2 \times Mini-Slot, 1 \times Emergency Power Off input (NC or NO), 3 \times Building Alarm inputs, 1 \times RS232				
Com Cards (Optional)	NMC & CMC G2 cards, EMP				
Environment					
Running Temperature	UPS : 0 - 40°C; Battery: 25°C				
Storage	-25 ~ 55°C without battery; +15 ~ 25°C with battery				
Humidity	5% ~ 95%				
Elevation	No derating < 1000m				
Noise Level	< =65 dBA at 1 m @ 75% Load (ISO7779)				
Dimension					
Dimension (D \times W \times H) [mm]	699 \times 330 \times 521			773 \times 331 \times 972	
Regulation					
Safety	IEC/EN 62040-1				
EMC	IEC/EN 62040-2				
Performance	IEC/EN 62040-3				
Quality	ISO90001, ISO14001				
Certification	CE				