

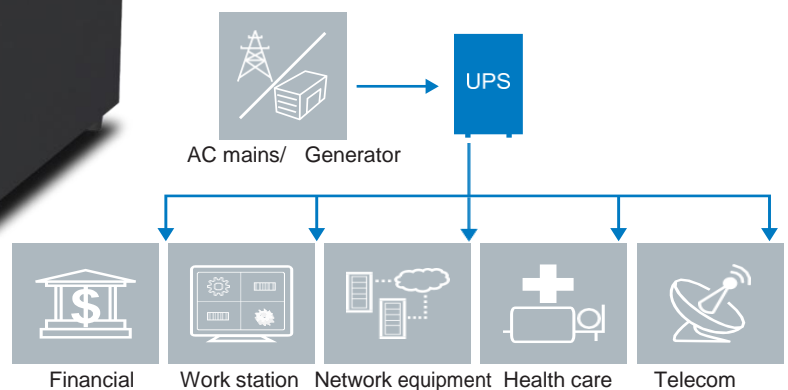
Online 3 phase UPS 10-20KVA (PFO.9)



Key features

- True double-conversion design with high adaptability to harsh mains conditions
- 0.9 output Power factor
- High efficiency result in energy saving and supports energy-saving ECO mode
- Support both 1 phase and 3 phase input
- Intelligent communication slot enables remote monitoring (Optional)
- Parallel available with Parallel card (maximum 3, optional)
- Support battery adjustment from 192VDC to 240VDC (15/20KVA)
- Compliance CE with standard EN62040

Typical application



Product specification

Model name		HD-10K2		HD-15K2	HD-20K2
Power rating	kVA/kW	10kVA/9kW		15kVA/13.5kW	20kVA/18kW
Working Efficiency	Double conversion mode	95%			
	ECO mode	98%			
	Servicing or maintenance	Maintenance bypass switch(MBS for optional)			
Input	Rated voltage	3 phases 380/400/415VAC(selectable) or 1 phase 220/230/240VAC(selectable)			
	Voltage range	1P:176-275Vac @ 100% load, 120-176Vac derating to 50% load linear			
		3P:304-476Vac @ 100% load, 208-304Vac derating to 50% load linear			
	Rated frequency	50/60Hz			
	Frequency range	40-70Hz (46-54Hz/56-64Hz)			
	PF	>0.99			
	THDi	<3% linear load			
	Gennerator connection	Yes			
Input connection	Wiring/socket	Hardware terminal connection			
Output performance	Rated voltage	1 phase 208/220/230/240VAC			
	Rated frequency	50/60Hz (auto-sensing)			
	Maximum PF	0.9			
	Voltage accuracy	+/-1%			
	THDv	<2%@linear load, <4%@non-linear load			
	Transfer time	0ms			
	Crest Ratio	3:1 Max			
	Overload(line mode)	105%<load<=125% for 1 minute;			
		125<load<=150% for 30s;			
		load>150% for 0.5s			
Protections	Protect against inverter failure, Short-circuit, overload, overvoltage, undervoltage, overtemperature, battery discharger, fan failure...				
Output connection	Wiring/socket	Hardware terminal connection			
	Component	Aptomat/Input-output breaker (Hard wiring with terminal block)			
Batteries	Voltage	192VDC	192VDC(192-240VDC adjustable)		
	Charging current	4A (0-12A adjustable)			
	Recharging time	Depend on the capacity of battery			
	Battery type	VRLA (Sealed lead-acid maintenance free battery)			
	External battery module	6 (Maximum connect external battery module quantity)			
Operating modes	Normal working mode	Online, on battery, on bypass, high efficiency, MBS(optional)			
	Other working mode	CVCF			
	Parallel	3 Max (Optional card)			

HMI(human-machine interface)	LCD Display control	Manage and monitor UPS operations, load, backup time, voltage, frequency, battery, fault..		
	LED display	LED with alarms and sounds when wrong shutdown, low battery, overload, fault..		
	RS232	RS232 with UPS managements program via RS232 computer connection protocol, Auto shutdown or control PC/server before UPS stops working		
	EPO	Emergency Power Off		
	Intelligent slot (SNMP)	Yes		
	Monitor software	WinPower		
	Optional	RS485/ SNMP card/ Modbus card/ Dry contact card/WLAN module		
	Communication	Compatible with Windows 98/2000/2003/XP/Vista/2008/7/8/10, Linux.....		
Physical performance	Dimension(W*D*H)mm	212x500x420	248x500x565	248x500x616(include wheels)
	Net weight(kgs)	16.9	31	32
Environment	Operating temperature	0-40°C		
	Relative Humidity	20-90%		
	Operating Altitude	0-3000m (derating 1% every 100m up @1000-3000m)		
	Acoustic Noise	<60dB		
Certification	Certification/standard	CE		
	Protection level	IP20		
Accessory	EBM cable	Yes (In EBM)		
	RS232 cable	Yes		
	Manual	Yes		
EBM External battery module	Battery	192VDC, 16pcs12V9AH*2		
	Dimension(W*H*D)mm	225*416*589		
	Weight(kg)	95.2		

Rear panel

