

Online UPS

Dx890

Dx890-10k-120k (3:3)

PF 0.9



Features

1. Online double-conversion with full DSP control
2. IGBT inverter with output isolation transformer
3. 100% unbalance load capability
4. Output power factor 0.9
5. Generator compatible
6. Support battery cold start auto-restart when mains power is restored
7. ECO mode operation for energy saving
8. Superior protection
9. 5.7 inches LCD touch screen, friendly human & machine interface
10. Front access make maintenance and replacement simplified (60 ~ 120 kVA)
11. Intelligent self-diagnosing function, all kinds of failure protection, Large capability of history records storage
12. High MTBF (> 200,00 h)Low MTTR (< 0.5 h)
13. Standard emergency power off (EPO)
14. Standard Rs232. Rs485, dry contacts communication port
15. Optional SNMP communication port
16. Optional N+X redundancy parallel up to 6 units
17. Optional input filter to improve input power factor

Specifications

MODEL	Dx8910	Dx8915	Dx8920	Dx8930	Dx8940	Dx8960	Dx8980	Dx89100	Dx89120
Capacity	10 kVA / 9 kW	15 kVA / 13.5 kW	20 kVA / 18 kW	30 kVA / 27 kW	40 kVA / 36 kW	60 kVA / 54 kW	80 kVA / 72 kW	100 kVA / 90 kW	120 kVA / 108 kW
INPUT									
Input wiring	Three-phase fivewire (3 Ø + N + PE)								
Rated voltage	380 / 400 /415 Vac								
Voltage range	285 ~ 475 V								
Rated Frequency	50/60 Hz								
Frequency range	(50 / 60) ± 5 Hz								
Power factor	≥ 0.95 (with Filter)								
Delayed start of rectifier	10 s (1 ~ 300settable)								
Bypass voltage range	± 20% (settable)								
OUTPUT									
Output wiring	Three-phase fivewire (3 Ø + N + PE)								
Rated voltage	380 / 400 / 415 Vac								
Output Voltage regulation	± 1%								
Output Frequency regulation	50/60 Hz ± 0.1% Hz in battery mode								
Waveform	Sinusoidal								
Power factor	0.9								
Voltage distortion (THDv)	≤ 1% (linear load); ≤ 5% (nonlinear load)								
Crest Factor	3:1								
Overload	105% ~ 110% for 60 min, 110% ~ 125% for 10 min								
BATTERIES									
DC Voltage	Lead acid battery: 360 Vdc Lithium irophosphate battery : 384 Vdc								
Number of battery	Lead Acid battery : 12 V x 30 pcs (support 28 ~ 32 pcs) Lead Acid battery : 2 V x 180 pcs (support 168 ~192 pcs) Lithium iron phosphate battery : 3.2 V x 120 pcs (support 112/120 pcs)								
Charging current	Charging rate (settable) x battery capacity (settable) x number of battery groups (settable)								
SYSTEM									
Efficiency	In Line mode: Max. 93%; ECO mode: ≥ 98%								
Max. number of parallel connections	6								
Protections	Short-circuit, overload, overtemperature,battery lowvoltage,overvoltage,undervoltage and fan failure								
Communications	RS232 / RS485 / dry contacts (standard), SNMP (optional)								
EMI	EN62040-2								
EMS	IEC610004-2 (ESD) IEC610004-3 (RS) IEC610004-4-(EFT) IEC610004-5 (surge)								
OTHERS									
Operatingtemperature	0°C ~ 40°C								
Storage temperature	-25°C ~ 55°C (without batteries)								
Relative humidity	0% ~ 95% (noncondensing)								
Altitude	≤ 1000 m (derating 1 % for each additional 100m)								
IP rating	IP 20								
Noise level at 1 m	65 dB								
Dimensions (WxDxH) (mm)	400 x 800 x 1100					600 x 700 x 1500	700 x 800 x 700		
Packaged dimensions (WxDxH) (mm)	490 x 920 x 1300					700 x 800 x 1650	800 x 900 x 1850		
Net weight (kg)	158	165	175	210	260	460	590	630	690
Gross weight (kg)	200	207	217	252	302	480	620	660	720

- All specifications are subject to change without notice.
- Custom-made specifications are acceptable.
- This product is applicable to industrial, commercial, financial, rail transit and other industries applications, but not available for life support systems.
- For critical systems related to public safety or significant economic benefits, dual power system is required to power the load.