



DIP EA 900 – 10KVA to 40KVA

DIP EA900 10KVA-40KVA Online UPS 3-phase in/3-phase out is the high density version of three phase on-line double-conversion UPS designed in small footprints with DSP technology and input power factor correction (PFC), output power factor 0.9 ect., offering high levels of reliability and protection for IT systems, telecommunications equipment and mission critical systems, ensuring maximum power reliability. Its modularized design of subsystem make easy maintenance on site, and its high overall efficiency ensures low power consumption. Excellent N+1 redundancy parallel design makes 6 units maximum line system possible.

Features

- High frequency online double-conversion with DSP control
- Modular design, high reliability, easily maintenance
- Double input distribution, higher reliability of system
- Input power factor correction (PFC)
- Wide input voltage range, 50Hz/60Hz frequency self-adaptable
- Support two modes of frequency conversion: 50Hz input/60Hz output and 60Hz input/50Hz output
- Input power factor >0.99, input THDi ≤ 3%, output THDV ≤ 3%
- Output power factor 0.9
- High efficiency: load >10%, efficiency ≥ 90%; load >50%, efficiency ≥ 93%.
- Digitized charger: flexible charger parameter and battery configuration setting, monitoring battery disconnected on line
- Share battery pack in parallel operation or separate battery pack for different UPS
- Support battery cold start and mains supply self-starting
- 5.7 inches LCD touch screen, friendly human & machine interface
- Perfect protective function in hard and software, robust self diagnose, abundant event log for inquiring
- Perfect password control technology, including: the first power-on password control, user password control and Maintenance password control.
- Reminders of battery and DC BUS capacitors out of warranty
- Standard emergency power off (EPO)
- Standard RS232/USB/RS485/Dry contact communication port
- Optional SNMP communication port
- Optional N+1 redundancy parallel up to 6 units
- Optional built-in isolation transformer
- Optional battery temperature compensation

MODEL	DIP EA9010	DIP EA9020	DIP EA9030	DIP EA9040	DIP EA9060
Capacity	10KVA 9KW	20KVA 18KW	30KVA 27KW	40KVA 36KW	60KVA 54KW
INPUT					
Rated Voltage	380V/400V/415VAC				
Voltage Range	204-520VAC(Load≤50%); 242-520VAC(50%<load≤70%)</load<load≤70%);< p=""></load≤70%); 304V-520VAC(70%<load≤100%)</load<load≤100%)< p=""></load≤100%)				
Rated Frequency	50/60Hz Auto Sensing				
Frequency Range	40-70Hz				
Power Factor	≥0.99				
Total Harmonic Distortion (THDi)	≤3%				
Bypass Voltage Range	380V-40% ~ 380V+20%(Settable via LCD)				
OUTPUT					
Voltage	380V/400V/415VAC				
Voltage Regulation	±1%				
Frequency	Synchronized with utility on AC mode; 50/60Hz±0.1% on battery mode				
Waveform	Pure sine wave				
Crest Factor	3:1				
Total Harmonic Distortion(THDV)	≤1%(Linear load);≤3%(Non-linear load)				
Transfer Time	AC mode to battery mode :0ms Inverter mode to bypass mode:0ms				
Inverter Overload Capability	100%-125%:Transfer to bypass after 10mins; 125%-150%:Transfer to bypass after 1mins; >150%: Transfer to bypass after 0.5s				
Bypass Overload Capability	≤150%: Long time running >150%: Power off after 10s				
BATTERY					
DC Voltage	±192V(Option:±204V/±216V/±228V/±240V)				
Inbuilt Battery of Standard Model	32*12V/9Ah	64*12V/9Ah	NO		
Charger Current	1-12A (Setting available via LCD)	1-24A(Setting available via LCD)		1-24A(Setting available via LCD) 1-48A(Optional)	
SYSTEM					
Efficiency	≥93% (Online mode); ≥98.5% (ECO model)				
Display Panel	5.7 Inches LCD touch screen				
Alarm	Battery mode, Battery voltage low, Fans fault etc				
Maximum Parallel number	6				
EMI	EN62040-2				
EMS	IEC61000-4-2(ESD)				
	IEC61000-4-3(RS)				
	IEC61000-4-4(EFT)				
	IEC61000-4-5(Surge)				
ENVIRONMENT					
Humidity	0~95% RH @ 0~40°C(non-condensing)				
Noise Level	≤60dB				
MANAGEMENT					
Communication	RS232,RS485,USB,Dry contact Supports Windows 98/2000/2003/XP/Vista/2008/7/8				
Optional SNMP	Power management from SNMP manager and web browser				
PHYSICAL					
Dimension(mm) W*D*H	600*800*1360			600*800*1680	
Packing Dimension(mm) W*D*H	720*920*1500			720*920*1820	

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