

# Powerpack DSP PRO 3/1 Series

ONLINE UPS  
10-20kVA  
Three Phase / Single Phase

Servers and Other  
Networking Equipment



- Online Double Conversion
- Non Transfer Time of Output
- PFC Technology
- Full Digital Control (DSP)
- Output Power Factor: 0.8
- Input Current Harmonic: 5%
- Economic Operation Mode (ECO)
- Optimization Battery Group: 16/18/20 Pieces (Optional)
- Wide Input Voltage Range: 304~478VAC
- Input Over/under-Voltage Protection
- Automatic Bypass
- Cold Start (DC)
- Fault Isolation
- RS232 Com. Port With Monitoring Software
- Optional: SNMP Card/Centralized
- Monitoring Card/ Parallel Port Module

- ① Centralized Monitoring Card
- ① Relay Card
- ① SNMP
- ② Parallel Module



10kVA • 15kVA • 20kVA

MODEL				
Capacity		10kVA / 8kW	15kVA / 12kW	20kVA / 16kW
INPUT				
Phase		3 Phase 4 Wires and Ground		
Rated Voltage		380/400VAC		
Voltage Range		304~478VAC		
Frequency Range		40~70Hz		
Power Factor		≤0.99		
Bypass Voltage Range		Max. Voltage: +15% (Optional +5%, +10%, +25%) Min. Voltage: -45% (Optional -20%, -30%) Frequency Protection Range: 10%		
ECO Range		Same as Bypass		
Current Harmonic		≤5% (100% Non-linear Load)		
OUTPUT				
Phase		Single Phase & Ground		
Rated Voltage		220/230VAC		
Power Factor		0.8		
Voltage Precision		±2%		
Output Frequency	Utility Mode	±1%, ±2%, ±4%, ±5%, ±10% Of The Rated Frequency (Optional)		
	Battery Mode	(50 ±0.2)Hz		
Crest Factor		3:1		
Transfer Time		Utility to Battery : 0ms Utility to Bypass : 0ms (Following)		
Overload Capability		Load ≤110% 60min, ≤125% Last 10min, ≤150% Last 1min, ≥150% Shut Down UPS Immediately		
THD		≤2%		
Transfer Time		0ms		
Efficiency		Efficiency ECO Mode ≥98%; Normal Mode ≥90%		
BATTERY				
Voltage		Voltage ±96V±108V±120V DC; Battery Quantity (Optional)		
Backup Time		Full Load ≥2min (10kVA Standard Unit), Long Time Unit Depends on The Capacity of External Catteries		
Charge Current (A)		1A (10KVA Standard unit); Long Time Unit Maximum Current 6A		
OPERATING ENVIRONMENT				
Temperature		0~40°C		
Humidity		0%~95% (Non-Condensing)		
Altitude		<1500m		
Storage Temperature		-25~55°C		
OTHER				
Communication Interface		RS232, Dry Contact, Centralized Monitoring Card Optional (RS485,SNMP, Parallel Card)		
Dimension (W×D×H) (mm)		250×590×655	250×590×655	250×590×655
Weight (kg)		80kg (Standard Unit)/40(Long Time Unit)	45	45
Industry Standard		CE,EN/IEC 62040-2,EN/IEC 62040-1-1		

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