

## POWER DSP Series

### 10KVA-40KVA

3:3 Phase PF: 1.0

- Online-Double conversion
- Output transfer time is 0ms
- PFC technology
- Full digital control (DSP)
- Output power factor: (1.0)
- Input current harmonic: 3%
- ECO function
- Optimization battery group
- Wide input voltage range: 208-478Vac
- Wide input frequency range: 40-70Hz
- DC start
- Standard USB/RS232 / RS485 / dry contact
- Options: SNMP card / Relay card
- LCD Touch Screen / LED double display
- Intelligent charging management
- The output can meet 100% unbalanced load
- Charging/Rectifier/Inverter fully digital control technology



#### High reliability design

Wide input voltage range 138-485Vac (phase voltage 80-280Vac) no derating when input voltage more than 305Vac

#### Strong load capacity

Output power factor is 1.0 UPS can supply to 100% unbalance load. High adaptability for load, it can connect full inductive load or capacitive load.

#### Flexible battery confirmation

Batteries number of each group can be selected from 30-50Pcs Large charging current can meet the requirement of long-time backup.

#### Intelligent management

Support RS485, RS232, SNMP, dry contact card

#### Power Saving

High input power factor, it can be up 0.99 three level inverter Topology, the efficiency can be up to 96%.

#### Parallel redundancy function

support parallel expanded operation: maximum is 6 unite

#### Compatible with generator

power walk in function, it can reduce the start current impact to system, and it can reduce The capacity of generator

#### LBS function

LBS function can realize 2 independent UPS



## Technical Specifications:

MODEL	PDSP310	PDSP315	PDSP320	PDSP330	PDSP340
Capacity	10KVA	15KVA	20KVA	30KVA	40KVA
<b>INPUT</b>					
Nominal Voltage	380/400/415Vac, 3Ph+N+PE				
Operating Voltage Range	208-478Vac				
Operating Frequency Range	50Hz: 45-55Hz / 60Hz: 54-66Hz				
Power Factor	>0.99				
THDi	<3% ( 100% linear load )				
Bypass voltage range	220Vac Max. voltage: +25% (optimal +10%, +15%, +20%) 230Vac Max. voltage: +20% (optimal +10%, +15%,) 240Vac Max. voltage: +15% (optimal +10%,) Min. volyage: -45% (optimal -20%, -30%) Frequency synchronize tracing range: $\pm 10\%$				
<b>OUTPUT</b>					
Output voltage	380/400/415Vac, 3Ph+N+PE				
Voltage regulation.	$\pm 1\%$				
Power Factor	1				
Output frequency	1- Line Mode: $\pm 1\%$ / +2% / +4% / +5% / +10% of the rated frequency (option)				
	2- Battery Mode: (50/60 $\pm 0.1$ ) Hz				
Crest factor	3 : 1				
THDv	<1% with linear load				
	<4% with non linear load				
Efficiency	94%	94.5%%			
<b>BATTERY</b>					
Battery voltage	Standard 20Pcs x 12V				
	Battery Quantity: 16/18/20Pcs				
Charge Current (A)	4.5A				
<b>System Features</b>					
Transfer time	Utility to Battery: 0ms, Utility to bypass: 0ms				
Over load	Load<110%: 60Min; <125%: 10Min; >150% tuen to bypass mode				
Alarm	over load, utility abnormalm UPS fault, battery low, high and low Voltage				
Protection	short crcuitm overload, over temperature, battery lowm fan fault. Alarm				
Remot LCD	Support				
Communication	USB, RS485, Parralel port, Coupler dry. Contact, Intelligent slot, SNMP, card (option), relay. Card (option)				
<b>ENVIRONMENTAL</b>					
Operating Temperature	0-40 C				
Storage temperature	-25-55 C ( No battery )				
Humidity	0-95% (non condensing)				
Altitude	< 1500m. When>1500m				
Noise level	<55dB	<58dB			
<b>PHYSICAL</b>					
Dimension D x W x H (mm)	828x250x868				
Net weight (Kg)	115	170	171	223	243
<b>STANDARDS</b>					
Safety	IEC/EN62040-1, IEC/EN60950-1				
EMC	IEC/EN62040-2, IEC61000-4-2 IEC61000-4-3, IEC61000-4-4, IEC61000-4-8; IEC61000-4-6; IEC61000-4-5				

