



# DCP POWER

1-3kVA

1: 1 phase PF: **0.9**



## Features

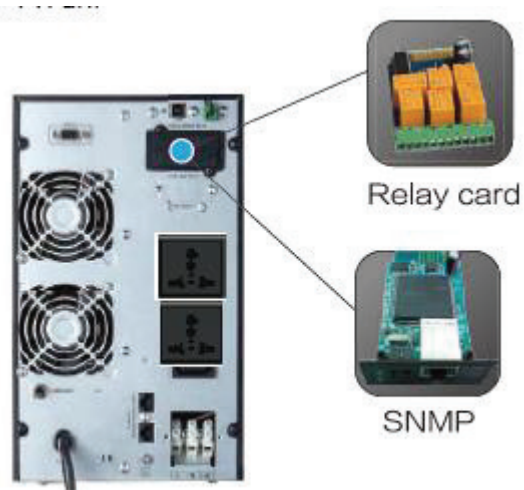
- Online double conversion
- Wide input voltage range (110-300Vac)
- Input power factor 0.99 (With PFC)
- Output power factor 0.9
- Maximum charging current 12A (Long run unit)
- Charging current can be set by LCD
- 50Hz/60Hz frequency converter mode
- Emergency power off function (EPO)
- Eco mode operation for energy saving (ECO)
- Generator compatible
- SNMP / USB / RS232 multiple communications
- Smart battery charging design for optimized battery performance
- Selectable output voltage: 200, 208, 220, 230, 240Vac
- Low priority load disconnection function
- Smart battery charging design for optimizing battery performance
- 1A or 2A charging current can be selected 2A charging current is for 2 groups of inside batteries



Gray LCD



Battery Cabinets.  
(Optional)



# Technical Specifications:

Capacity (VA/Watts)		1000VA / 900W	2000VA/ 1800W	3000VA/ 2700W
Phase		Single phase with ground		
<b>INPUT</b>				
Nominal Voltage		200/208/220/230/240Vac		
Operating voltage range	Low voltage of transferring to bypass	160Vac±5% @ 100%-80% load; 140Vac±5% @ 80%-70% load; 120Vac±5% @ 70%-60% load; 110Vac±5% @ 60%-50% load (Ambient temp. <35°C)		
	Low threshold voltage of recovering from bypass	175Vac±5% @ 100%-80% load; 155Vac±5% @ 80%-70% load; 135Vac±5% @ 70%-60% load; 125Vac±5% @ 60%-50% load (Ambient temp. <35°C)		
	High voltage of transferring to bypass	300Vac±5%		
	High threshold voltage of recovering from bypass	290Vac±5%		
Input Voltage Range		55- 150Vac or 110-300Vac@60% load, 80-145Vac or 160-300Vac@ 100% load		
Operating frequency range		40-70Hz		
Power Factor		0.99		
Generator input		Support		
<b>OUTPUT</b>				
Output Voltage		200/208/220/230/240Vac		
Power Factor		0.9		
Voltage Regulation		±1%		
Frequency	Line mode (Synchronized range)	47-53Hz or 57-63Hz		
	Bat. mode	(50/60 ± 0.1)Hz		
Crest Factor		3:1		
Harmonic Distortion (THDv)		2% THD (Linear load) 4% THD (Non-linear load)		
Waveform		Pure Sinewave		
Transfer Time	AC Mode <-> Batt.	Zero		
	Inverter <-> Bypass	4ms(Typical)		
<b>EFFICIENCY</b>				
AC Mode		88%	92%	
Battery Mode		87%	89%	90%
<b>BATTERY</b>				
Battery Type		12V/9Ah	12V/7Ah	
Numbers		2	6	6
Backup time		Long run unit depends on the capacity of external batteries		
Typical recharging time(Standby mode)		4 hours recover to 90% capacity		
Charging voltage		274VDC±1		
Charging current(max.)		1A / 2A		1A / 2A
<b>SYSTEM FEATURES</b>				
Line mode	Ambient temp.<35°C	105%-110%: UPS transfer to bypass after 10 minutes when the utility is normal 110%-130%: UPS transfer to bypass after 1 minute when the utility is normal 130%- 150%:UPS transfer to bypass after 5 seconds when the utility is normal >150%:UPS transfer to bypass immediately when the utility is normal		
	35°C <ambient Temp <40°C	105%-110%: UPS transfer to bypass after 1 minute when the utility is normal 110%- 130%: UPS transfer to bypass after 5 seconds when the utility is normal >130%:UPS transfer to bypass immediately when the utility is normal		
Short circuit		Hold whole system		
Overheat		Line mode: Switch to bypass; Backup mode: Shut down UPS immediately		
Battery low		Alarm and switch off		
EPO (optional)		Shut down UPS immediately		
Audible & Visual alarms		Line failure, Battery low, Over load, System fault		
Dimension Wx Hx D (mm)		144 x 209x293		1X337X460
Net Weight (kg)				
<b>PHYSICAL(Output PF 0.8 or 0.9)</b>				
<b>ENVIRONMENT</b>				
Operating temperature		0-40°C		
Storage temperature		-25°C -55°C		
Humidity range		20-90% RH @ 0-40°C (Non-condensing)		
Altitude		<1500m		
Noise Level		Less than 50dBA at 1 Meter		
<b>STANDARDS</b>				
Safety		IEC/EN62040- 1,IEC/EN60950- 1		
EMC		IEC/EN62040- 2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8		