

MND Series 1/1

High Frequency Online UPS

1kVA~3kVA

1 Phase Input / 1 Phase Output



Application

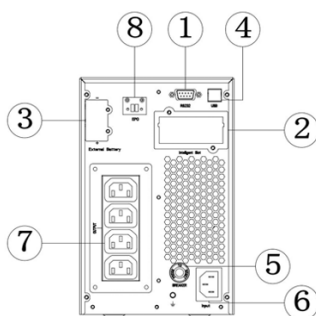
Data Center, the network computer room, intelligent precision Industry, equipment, the financial, telecommunications, insurance, transport, taxation, military, security, energy, education, government, manufacturing and other industries etc

Feature

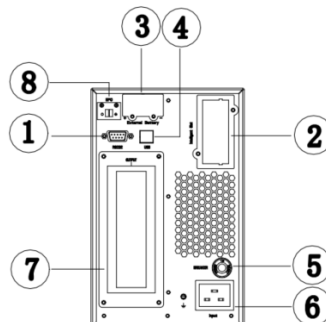
- True online double-conversion technology
- Output power factor is 1, kVA/kW
- Digital charging design, Adjustable from 1 to 12A
- High efficiency, AC to AC 95%
- Auto fan speed adjustment
- Wide input voltage range, 110Vac to 300Vac
- Emergency power off function (EPO)
- Generator compatible
- LCD/LED display
- Battery cold start
- Smart RS232/USB port with monitoring software
- ECO mode operation for energy saving (ECO)
- Intelligent slot, support SNMP / RS485 / AS400 card
- DSP (Digital Signal Processing) technology guarantees high performance
- Advanced PFC (Power Factor Correction) technology, input PF>99%
- Built-in LiFePO₄ batteries

Rear Panel

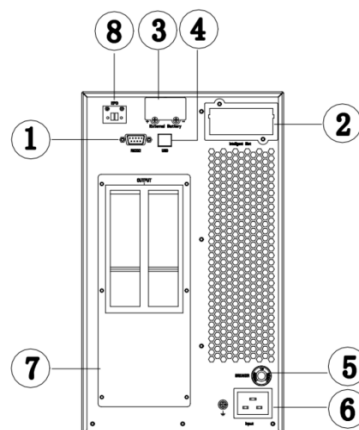
- ① RS232
- ② Smart Slot
- ③ External battery port
- ④ USB
- ⑤ Input over current protection breaker
- ⑥ AC input
- ⑦ Output socket
- ⑧ EPO



1KS



2KS (48VDC)



2KS (72VDC) / 3KS

Model	MND1101KS	MND1101KS	MND1102KS	MND1102KS	MND1103KS	MND1103KS
Capacity	1kVA/1kW		2kVA/2kW		3kVA/3kW	
Input						
Rated Voltage	208/ 220/230/240Vac, L+N+PE					
Voltage Range	110~300Vac					
Frequency Range	50/60±6Hz					
Power Factor	≥0.99					
THDi	≤4% (linear load); ≤5% (non-linear load)					
Output						
Rated Voltage	208/220/230/240Vac,L+N+PE					
Voltage Precision	±1%					
Frequency	50/60Hz ± 0.1%					
THDu	≤2% (linear load); ≤5% (non-linear load)					
Transfer Time	Zero					
Waveform	Pure sine wave					
Crest Factor	3:1					
Overload Capacity (Line Mode)	102%~110% load, 30min;110%~130% load, 10min; 130%~150% load, 30s; >150% load, 200ms					
Overload Capacity (Battery Mode)	102%~110% load, 1min;110%~130% load, 10s; 130%~150% load, 3s;>150% load, 200ms					
Efficiency						
Line Mode	94.5%		95.5%		95.5%	
Battery Mode	88.5%		91.5%		91.5%	
ECO Mode	98%					
Battery						
Nominal Voltage	24Vdc	36Vdc	48Vdc	72Vdc	72Vdc	96Vdc
Battery Number	12Ah*2pcs	12Ah*3pcs	12Ah*4pcs	12Ah*6pcs	12Ah*6pcs	12Ah*8pcs
Charge Current	1A	1A (1-12A)	1A (1-4A)	1A (1-12A)	1A (1-4A)	1A (1-12A)
Communication						
Interface	RS232 / USB/ SNMP card(optional) /AS400 card(optional)/RS485 card (optional)					
Environment						
Operation Temperature	0~40℃					
Humidity	0~95%(non-condensing)					
Noise	≤50dB@1meter away					
Altitude	Up to 1000m without derating					
Physical						
Dimensions (W*D*H) mm	145*354*224		190*418*322		190*418*322	
Weight (kg)	6.5	7.8	11.5	14.5	21	23.5