

iDC FlexiPower Online Econ Tower 1-3kVA

High power density true double conversion online UPS



Our iDCmini FlexiPower Online Econ Tower UPS series, ranges from 1-3kVA, is a high density real true online double conversion UPS offers both cost and power efficiency benefits.

Key Features

- True double conversion design with high adaptability to harsh mains conditions
- Various battery configuration:
 - 1kVA: 24VDC
 - 2kVA: 48VDC
 - 3kVA: 72VDC
- 0.9 output power factor with up to 12.5% more power offer compared to the traditional 0.8 power factor
- Optional EBM for flexible backup time configuration
- Compact size requiring small installation space
- Programmable LCD display for quick UPS parameters configuration
- Various communication for easy management:
 - RS232/USB, EPO, mini slot



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Plan it.
Own it.

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Technical Specification

Model	FP-OTE-1K	FP-OTE-2K	FP-OTE-3K
Power Rating	1000VA/900W	2000VA/1800W	3000VA/2700W
Input Performance			
Rated Voltage	208V/220/230/240VAC	208V/220/230/240VAC	208V/220/230/240VAC
Voltage range	100 ~ 300 VAC	100 ~ 300 VAC	100 ~ 300 VAC
Frequency range	45~55Hz/54~66Hz	45~55Hz/54~66Hz	45~55Hz/54~66Hz
Input wiring	Single Phase with Ground	Single Phase with Ground	Single Phase with Ground
Output Performance			
Output power factor	0.9	0.9	0.9
Nominal output voltage	208V/220/230/240VAC	208V/220/230/240VAC	208V/220/230/240VAC
Voltage regulation	±1%	±1%	±1%
Frequency range (Battery mode)	50/60Hz ±0.05Hz	50/60Hz ±0.05Hz	50/60Hz ±0.05Hz
Over load	100%~105% continuous. 60Sec.@105%~130% Rated Load	100%~105% continuous. 60Sec.@105%~130% Rated Load	100%~105% continuous. 60Sec.@105%~130% Rated Load
Voltage distortion (THDv)	<2% @ linear load	<2% @ linear load	<2% @ linear load
Output waveform	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave
Parallel operation	N/A	N/A	N/A
Output Connection			
Wiring/socket	4 x IEC C13 [#]	4 x IEC C13 [#]	4 x IEC C13, 1 x IEC C19 [#]
Efficiency (Inverter mode)	89%	90%	91%
Battery			
Battery type	VRLA	VRLA	VRLA
Battery	12V / 9Ah	12V / 9Ah	12V / 9Ah
Number of internal battery	2	4	6
Rated battery voltage	24VDC	48VDC	72VDC
Charging current	1A	1A	1A
Recharging time (90%)	5 hours	5 hours	5 hours
Transfer Time			
Battery mode ↔ Line mode	0ms	0ms	0ms
Inverter mode ↔ Bypass mode	<4ms	<4ms	<4ms
ECO mode ↔ Battery mode	<10ms	<10ms	<10ms
Display	Segment LCD	Segment LCD	Segment LCD
Audible Alarm & Visual Indicator	Yes	Yes	Yes
Dimension (W*H*D (mm))	144*224*325	190*323*368	190*323*368
Environment			
Operating temperature	0~40°C	0~40°C	0~40°C
Regulation	CE	CE	CE
Noise Level	<50dB (ISO 7779 & at front 1m distance, without buzzer)	<50dB (ISO 7779 & at front 1m distance, without buzzer)	<50dB (ISO 7779 & at front 1m distance, without buzzer)
Interface			
RS232/USB	Yes	Yes	Yes
External slot	Yes, for optional NMC Card/CMC Modbus Card/AS400 Card	Yes, for optional NMC Card/CMC Modbus Card/AS400 Card	Yes, for optional NMC Card/CMC Modbus Card/AS400 Card
Emergency Power Off	Yes	Yes	Yes
DCIM connection	Ready	Ready	Ready



FP-OTE-1K Rear Panel



FP-OTE-2K Rear Panel



FP-OTE-3K Rear Panel

*The specification and pictures are subject to change without notice.
#Customization is available as requested.



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