

iDC FlexiPower Online - 1-10kVA

High power density true double conversion online UPS



Our iDCmini FlexiPower Online UPS series, ranges from 1-10kVA, 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
- DSP design enables precise and reliable control
- High efficiency results in energy saving
- Supports energy-saving ECO mode
- Intelligent communication slot enables remote monitoring
- Low audible noise at typical load



iDC FlexiPower Online 1-3kVA



iDC FlexiPower Online 6-10kVA



Think it.
Plan it.
Own it.

Technical Specification

Model	FP-OR-1K	FP-OR-3K	FP-OR-6K	FP-OR-10K
Capacity	1000VA/900W	3000VA/2700W	6000VA/6000W	10000VA/10000W
Input				
Voltage range	120~276VAC (depends on load level)	120~276VAC (depends on load level)	160~275V 100% load	160~275V 100% load
Frequency range	45-55Hz / 54-66Hz	45-55Hz / 54-66Hz	40Hz - 70Hz	40Hz - 70Hz
Phase	Single Phase with Ground	Single Phase with Ground	Single Phase with Ground	Single Phase with Ground
THDI	<5% with full load	<5% with full load	<3% linear load <5% non linear load	<3% linear load <5% non linear load
Power factor	≥0.99@R full load	≥0.99@R full load	<0.995	<0.995
Output				
Voltage	208/220/230/240VAC	208/220/230/240VAC	220/230/240V	220/230/240V
Voltage regulation	±1%	±1%	±1%	±1%
Rated frequency	45-55Hz / 54-66Hz	45-55Hz / 54-66Hz	50Hz/60Hz	50Hz/60Hz
Crest ratio	3:1	3:1	3:1	3:1
Maximum PF	0.9	0.9	1	1
THDv	<2% linear load <5% non linear load	<2% linear load <5% non linear load	<1% linear load <5% non linear load	<1% linear load <5% non linear load
Transfer time	0ms (4ms @ line <->bypass 10ms @ ECO<->Inverter)	0ms (4ms @ line <->bypass; 10ms @ ECO<->Inverter)	0ms (10ms @ ECO->Inverter)	0ms (10ms @ ECO->Inverter)
Overload capacity	12s@102%-130% load 1.5s@130%-150% load 100ms@>150% load	12s@102%-130% load 1.5s@130%-150% load 100ms@>150% load	100% <load ≤105% continuous 105% <load ≤125% for 10mins 125% <load ≤150% for 30s >150% for 500ms	100% <load ≤105% continuous 105% <load ≤125% for 10mins 125% <load ≤150% for 30s >150% for 500ms
Efficiency				
Double conversion mode	88%	92%	>95%	>95%
ECO mode	>95%	>95%	>98%	>98%
Battery				
Voltage	36VDC	72VDC	192VDC (192~240VDC adjustable)	192VDC (192~240VDC adjustable)
Capacity	3*12V/7Ah	6*12V/9Ah	16*12V/7Ah, 16~20pcs adjustable	16*12V/9Ah, 16~20pcs adjustable
Backup Time (100% load /50% load)				
Built-in battery	4/12mins	4/11mins	N/A	N/A
+1 EBM	23/65mins	13/32mins	19.8/54.3mins	10.4/29.5mins
+2 EBM	47/119mins	26/59mins	35.7/92.5mins	19.2/54.3mins
Dimension				
W*D*H (mm)	438*86.5*436	438*86.5*608	5U height including 438*573*86.2 (power module, 2U) 438*593*129 (battery, 3U)	5U height including 438*573*86.2 (power module, 2U) 438*593*129 (battery, 3U)
Environment				
Operation temperature	0-40°C	0-40°C	0-50°C (power derating to 50% @40-50°C)	0-50°C (power derating to 50% @40-50°C)
Relative humidity	0-95% (non-condensing)	0-95% (non-condensing)	0-95%	0-95%
Acoustic noise	<45dB @ typical load with battery fully charged	<50dB @ typical load with battery fully charged	<50dB @ typical load with battery fully charged	<55dB @ typical load with battery fully charged

*Due to continuous product improvement programs, specifications are subject to change without notice.



Think it.
Plan it.
Own it.