

MODULAR ONLINE DOUBLE CONVERSION UPS (Fuhrer Series)

TECHNICAL SPECIFICATION

MODEL

	FS 1030	FS-10100	FS-10200	FS-300	FS-300
RACK					
	10 ~ 30KVA	10KVA~100KVA	10KVA~200KVA	300KVA	520KVA

MODULE

10, 20, 30 & 40 KVA Max.

INPUT

Voltage	380 / 400 / 415VAC, (3PH + N + PE)
Voltage Range	208 - 478VAC
Frequency Range	40 - 70Hz
Power Factor	> 0.99
By-Pass Range	[220 (+25% - 45%), 230 (+20% - 45%), 240 (+15% - 45%) Frequency \pm 10% Hz]
THDi	2% (100% Non Linear Load)

OUTPUT

Voltage	380 / 400 / 415VAC (3PH + N + PE)
Voltage Regulation	\pm 1%
Power Factor	1
Output Frequency	[Line Mode \pm 1% ~ \pm 10% of __ Rated Frequency] Battery Mode \pm 0.1% Hz]
Crest Factor	3:1
Harmonic Distortion	<2% With Linear Load, <5% With Non Linear Load
Efficiency	95.5%

BATTERY

Voltage	\pm 216VDC / 240VDC				
Changing Current (Rack)	18	30	60	100	130
Module	6A ~ 10A (Depending on Battery Capacity)				

GENERAL FEATURES

Transfer Time	OMS
Overload	[Line Mode : <110% 60min, 125% 10min, 150% Switch to Bypass Battery Mode: < 110% 30sec, 125% 1 sec, 150% System Trip Bypass Mode: Depending on Breaker Rack]
Communication Interfear	USB, RS232, RS485, DRY CONTACT, INTELLIGENT SLOT.

ENVIRONMENT

Oprating Trend	0-40C
Humidity	0-95%(non-condensing)
Noice Level	<65 dB

STANDRADS

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
Noise: EN62040-2

PHYSICAL

	RACK	MODULE
FS 1030 ~ FS 101000	= 840 x 600 x 400 152Kg	[10 KVA = 3U (443 x 580 x 131) 26Kg]
FS 10200	= 1100 x 600 x 2000 290Kg	[20 KVA = 3U (443 x 580 x 131) 31Kg]
FS 300	= 600 x 1100 x 2000 307Kg	[30 KVA = 3U (443 x 580 x 131) 33Kg]
FS 510	= 1200 x 860 x 2000 860Kg	[40 KVA = 3U (443 x 580 x 131) 36Kg]