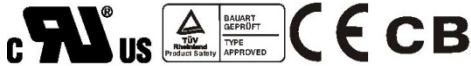



Key Features:

- Wide Input Voltage 81 to 280 VAC, 47 to 400 Hz or 90 to 420VDC
- Internal EMI filter
- Single to Quad Output
- Output Voltage Available From 3 VDC thru 48 VDC
- Surge Current, Over Voltage and Over Load protection
- Class 1 Insulation
- 2 Year Warranty


Description:

The OFS63 Series of compact open frame constructed AC/DC switch mode power supplies provide 63 Watts of continuous output power. They are suited for use in industrial instrument and many other applications, all models are designed to meet the safety requirements of UL/c-UL(UL 60950-1),TUV-Bauart(EN60950-1) and new CE requirements. All units are 100% burned in and tested.

Electrical Specifications:

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Input Voltage	Universal Input Voltage	90		264	VAC
		106		350	VDC
		81		280	VAC
Operating Voltage		90			
Input Frequency		47			
Output Power Range	V _{in} = Operating Voltage	0		63	W
Output Voltage Range		See rating chart	V		
Output Current Range		See rating chart	A		
Input Current (Low Line)	I _o =Full load, V _{in} =115VAC or 160VDC			1.6	A
Input Current (High Line)	I _o =Full load, V _{in} =230VAC or 325VDC			0.8	A
Low Line Inrush Current	I _o =Full load, 25°C, Cool start, V _{in} =115VAC or 160VDC		12	15	A
High Line Inrush Current	I _o =Full load, 25°C, Cool start, V _{in} =230VAC or 325VDC		26	30	A
Efficiency	I _o =Full Load, V _{in} =230VAC or 325VDC	70	80	88	%
Line Regulation	I _o =Full Load		0.5	1	%
Load Regulation	V _{in} =230VAC or 325VDC		3	7	%
Over Voltage Protection		112		132	%
Over Current Protection		110		150	%
Transient Response	I _o =Full Load to Half Load, V _{in} =100VAC or 140VDC			5	mS
Hold-Up Time	I _o =Full Load, V _{in} =110VAC or 160VDC	16			mS
Start Up Time	I _o =Full Load, V _{in} =100VAC or 140VDC	0.3	1	2	S

Environmental Specifications:

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Operating Temperature		0		70	C
Storage Temperature		-40		85	C
Relative Humidity		5		95	%
Derate linearly from 100% load at 50 C to 50% load at 70 C					

Safety Specifications:

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Dielectric Withstanding Voltage for Primary to secondary	Primary to secondary	4242			VDC
Dielectric Withstanding Voltage for Primary to Ground	Primary to ground	2121			VDC
Isolation Resistance	Test Voltage=500VDC	50			M
EMI requirements for CISPR-22	Vin=220VAC	B			CLASS
EMI requirements for FCC PART-15	Vin=110VAC	B			CLASS

Single Output Voltage and Current Rating Chart

Model No.	Output	Output Current	Total Regulation	Power	Safety
OFS50-3S	3~5VDC	16.6~10.0A	5%	50W	UL/cUL, TUV-Bauart, CE,CB
OFS55-5S	5~6VDC	11.0~9.16A	5%	55W	UL/cUL, TUV-Bauart, CE,CB
OFS60-7S	6~8VDC	10.0~7.50A	5%	60W	UL/cUL, TUV-Bauart, CE,CB
OFS63-9S	8~11VDC	7.87~5.72A	3%	63W	UL/cUL, TUV-Bauart, CE,CB
OFS63-12S	11~13VDC	5.72~4.84A	3%	63W	UL/cUL, TUV-Bauart, CE,CB
OFS45-13S	11~13VDC	4.00~3.46A	3%	45W	UL/cUL, TUV-Bauart, CE,CB
OFS63-15S	13~16VDC	4.84~3.93A	3%	63W	UL/cUL, TUV-Bauart, CE,CB
OFS63-18S	16~21VDC	3.93~3.00A	3%	63W	UL/cUL, TUV-Bauart, CE,CB
OFS63-24S	21~27VDC	3.00~2.33A	2%	63W	UL/cUL, TUV-Bauart, CE,CB
OFS63-28S	27~33VDC	2.33~1.90A	2%	63W	UL/cUL, TUV-Bauart, CE,CB
OFS63-36S	33~40VDC	1.90~1.57A	2%	63W	UL/cUL, TUV-Bauart, CE,CB
OFS63-48S	40~48VDC	1.57~1.31A	2%	63W	UL/cUL, TUV-Bauart, CE,CB

Multiple Output Voltage and Current Rating Chart

Dual Output Models	Output	Output Current	Regulation	Power	Safety
OFS59-3.3S12S	+3.3V / +12V	7A / 3A	6% / 5%	59.1W	UL/cUL, TUV-Bauart, CE, CB
OFS63-5S12S	+5V / +12V	7A / 3A	5% / 5%	63W	UL/cUL, TUV-Bauart, CE,CB
OFS63-5S15S	+5V / +15V	7A / 3A	5% / 5%	63W	UL/cUL, TUV-Bauart, CE,CB
OFS63-5S24S	+5V / +24V	7A / 2A	5% / 5%	63W	UL/cUL, TUV-Bauart, CE,CB
OFS48-3.3S5S	+3.3V / +5V	7A / 5A	6% / 5%	48.1W	UL/cUL, TUV-Bauart, CE,CB
OFS63-5S24S	+5V / -24V	7A / 2A	5% / 5%	63W	UL/cUL, TUV-Bauart, CE,CB

OFS63 Series
63 Watts

Triple Output Models	Output	Output Current	Regulation	Power	Safety
OFS63-3.3S12D	+3.3V / +12V / -12V	6A / 3A / 0.8A	6% / 5% / 5%	63W	UL/cUL, TUV-Bauart, CE,CB
OFS63-3.3S12DX1	+3.3V / +12V / +12V	6A / 3A / 0.8A	6% / 5% / 5%	63W	UL/cUL, TUV-Bauart, CE,CB
OFS63-5D12S	+5V / +12V / -5V	6A / 3A / 0.8A	5% / 5% / 5%	63W	UL/cUL, TUV-Bauart, CE,CB
OFS63-5D12SX1	+5V / +12V / +5V	6A / 3A / 0.8A	5% / 5% / 5%	63W	UL/cUL, TUV-Bauart, CE,CB
OFS63-5S12D	+5V / +12V / -12V	6A / 3A / 0.8A	5% / 5% / 5%	63W	UL/cUL, TUV-Bauart, CE,CB
OFS63-5S12DX1	+5V / +12V / +12V	6A / 3A / 0.8A	5% / 5% / 5%	63W	UL/cUL, TUV-Bauart, CE,CB
OFS63-5S15D	+5V / +15V / -15V	6A / 3A / 0.8A	5% / 5% / 5%	63W	UL/cUL, TUV-Bauart, CE,CB
OFS63-5S15DX1	+5V / +15V / +15V	6A / 3A / 0.8A	5% / 5% / 5%	63W	UL/cUL, TUV-Bauart, CE,CB
OFS63-5S24S12S	+5V / +24V / -12V	6A / 2A / 0.8A	5% / 5% / 5%	63W	UL/cUL, TUV-Bauart, CE,CB
OFS63-5S24S12SX1	+5V / +24V / +12V	6A / 2A / 0.8A	5% / 5% / 5%	63W	UL/cUL, TUV-Bauart, CE,CB
OFS60-3.3S12S5S	+3.3V / +12V / -5V	6A / 3A / 0.8A	6% / 5% / 5%	59.8W	UL/cUL, TUV-Bauart, CE,CB
OFS60-3.3S12S5SX1	+3.3V / +12V / +5V	6A / 3A / 0.8A	6% / 5% / 5%	59.8W	UL/cUL, TUV-Bauart, CE,CB
OFS53-3.3S5S12S	+3.3V / +5V / -12V	5A / 5A / 1A	6% / 5% / 5%	53.5W	UL/cUL, TUV-Bauart, CE,CB
OFS53-3.3S5S12SX1	+3.3V / +5V / +12V	5A / 5A / 1A	6% / 5% / 5%	53.5W	UL/cUL, TUV-Bauart, CE,CB
Quad Output Models	Output	Output Current	Regulation	Power	Safety
OFS63-3.3S12D5S	+3.3VDC	6.0A	6%	63W	UL/cUL, TUV-Bauart, CE,CB
	+12.0VDC	3.0A	5%		
	-12.0VDC	0.8A	5%		
	-5.0VDC	0.8A	5%		
OFS63-3.3S12D5SX1	+3.3VDC	6.0A	6%	63W	UL/cUL, TUV-Bauart, CE,CB
	+12.0VDC	3.0A	5%		
	-12.0VDC	0.8A	5%		
	+5.0VDC	0.8A	5%		
OFS63-3.3S12D5SX2	+3.3VDC	6.0A	6%	63W	UL/cUL, TUV-Bauart, CE,CB
	+12.0VDC	3.0A	5%		
	+12.0VDC	0.8A	5%		
	-5.0VDC	0.8A	5%		
OFS63-3.3S12D5SX3	+3.3VDC	6.0A	6%	63W	UL/cUL, TUV-Bauart, CE,CB
	+12.0VDC	3.0A	5%		
	+12.0VDC	0.8A	5%		
	+5.0VDC	0.8A	5%		
OFS63-5D12D	+5.0VDC	6.0A	5%	63W	UL/cUL, TUV-Bauart, CE,CB
	+12.0VDC	3.0A	5%		
	-12.0VDC	0.8A	5%		
	-5.0VDC	0.8A	5%		

OFS63 Series
63 Watts

OFS63-5D12DX1	+5.0VDC +12.0VDC -12.0VDC +5.0VDC	6.0A 3.0A 0.8A 0.8A	5% 5% 5% 5%	63W	UL/cUL, TUV-Bauart, CE,CB
OFS63-5D12DX2	+5.0VDC +12.0VDC +12.0VDC -5.0VDC	6.0A 3.0A 0.8A 0.8A	5% 5% 5% 5%	63W	UL/cUL, TUV-Bauart, CE,CB
OFS63-5D12DX3	+5.0VDC +12.0VDC +12.0VDC +5.0VDC	6.0A 3.0A 0.8A 0.8A	5% 5% 5% 5%	63W	UL/cUL, TUV-Bauart, CE,CB
OFS63-5S12TX1	+5.0VDC +12.0VDC -12.0VDC -12.0VDC	6.0A 3.0A 0.8A 0.8A	5% 5% 5% 5%	63W	UL/cUL, TUV-Bauart, CE,CB
OFS63-5S12TX2	+5.0VDC +12.0VDC -12.0VDC +12.0VDC	6.0A 3.0A 0.8A 0.8A	5% 5% 5% 5%	63W	UL/cUL, TUV-Bauart, CE,CB
OFS63-5S12TX3	+5.0VDC +12.0VDC +12.0VDC -12.0VDC	6.0A 3.0A 0.8A 0.8A	5% 5% 5% 5%	63W	UL/cUL, TUV-Bauart, CE,CB
OFS63-5S12TX4	+5.0VDC +12.0VDC +12.0VDC +12.0VDC	6.0A 3.0A 0.8A 0.8A	5% 5% 5% 5%	63W	UL/cUL, TUV-Bauart, CE,CB
OFS63-5S12D24S	+5.0VDC +12.0VDC -12.0VDC -24.0VDC	6.0A 3.0A 0.8A 0.8A	5% 5% 5% 5%	63W	UL/cUL, TUV-Bauart, CE,CB
OFS63-5S12D24SX1	+5.0VDC +12.0VDC -12.0VDC +24.0VDC	6.0A 3.0A 0.8A 0.8A	5% 5% 5% 5%	63W	UL/cUL, TUV-Bauart, CE,CB

OFS63 Series
63 Watts

OFS63-5S12D24SX2	+5.0VDC	6.0A	5%	63W	UL/cUL, TUV-Bauart, CE,CB
	+12.0VDC	3.0A	5%		
	+12.0VDC	0.8A	5%		
	-24.0VDC	0.8A	5%		
OFS63-5S12D24SX3	+5.0VDC	6.0A	5%	63W	UL/cUL, TUV-Bauart, CE,CB
	+12.0VDC	3.0A	5%		
	+12.0VDC	0.8A	5%		
	+24.0VDC	0.8A	5%		
OFS63-5D15D	+5.0VDC	6.0A	5%	63W	UL/cUL, TUV-Bauart, CE,CB
	+15.0VDC	3.0A	5%		
	-15.0VDC	0.8A	5%		
	-5.0VDC	0.8A	5%		
OFS63-5D15DX1	+5.0VDC	6.0A	5%	63W	UL/cUL, TUV-Bauart, CE,CB
	+15.0VDC	3.0A	5%		
	-15.0VDC	0.8A	5%		
	+5.0VDC	0.8A	5%		
OFS63-5D15DX2	+5.0VDC	6.0A	5%	63W	UL/cUL, TUV-Bauart, CE,CB
	+15.0VDC	3.0A	5%		
	+15.0VDC	0.8A	5%		
	-5.0VDC	0.8A	5%		
OFS63-5D15DX3	+5.0VDC	6.0A	5%	63W	UL/cUL, TUV-Bauart, CE,CB
	+15.0VDC	3.0A	5%		
	+15.0VDC	0.8A	5%		
	+5.0VDC	0.8A	5%		

Mechanical Specifications:

Notes:

1. Dimensions are shown in inches or mm.
2. Weight: 300gs approx.
3. Input connector mates with screw terminal Dinkle # ESK750V-03P, 10 – 24 AWG
4. Output connector mates with screw terminal Dinkle # ESK750V-05P, 10 – 24 AWG

