Sorensen XPF Series

Single or Dual Output DC Power Supply with Powerflex[™]

- PowerFlex design with parallel or series configuration gives variable voltage/current combinations equivalent to 6 power supplies in one unit
- Individual on/off switch per output
- Dual isolated outputs
- Coarse and fine voltage controls
- Simultaneous display of output voltage and current for each output



The XPF Series are dual output DC power supplies

with two completely independent and isolated

outputs. If required, the outputs can be wired

the maximum voltage or double the maximum

in series or parallel to achieve up to double

The Sorensen XPF is a new type of bench power supply designed to meet the need for flexibility in the choice of voltage and current. Typically, the maximum voltage and maximum current are not required simultaneously. The PowerFlex[™] design enables higher currents to be generated at lower voltages within an overall power limit envelope. This is achieved by using the latest switch-mode technology.

XPF35-10 Series Operating Area

PowerFlex Operating Configurations

20

18

16

14

12 10

8

6

4

2 0

0

10

20

30

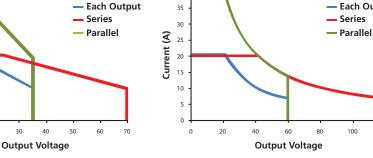
40

Current (A)

Each Output Series

120

XPF60-20 Series Operating Area



current

40

AMETEK **Programmable Power** 9250 Brown Deer Road San Diego, CA 92121-2267 USA



35-60 V

10-20 A

350-840 W

\sim 115 230 GETE RS232 LXI S J ELECTRONICS WW 0800 583 4455 www.sjelectronics.co.uk

sales@sjelectronics.co.uk

XPF Series : Product Specifications

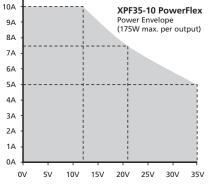
outputs fully loaded (5A @ 35 V), in CV mode. outputs loaded (10A @ 42 V), in CV mode.	Output : Voltage and Current				
Output Current 0 - 30 V Output Current 0 - 10 A 0 - 20 A Output Current 0 - 10 A 0 - 20 A Datput Dever up to 175 W (See PowerFlex envelope graph) up to 420 W (See XFF 35-10 and XF 60-20 PowerFlex Output	Models	35-10 Series	60-20 Series		
Outputs 0-10 A 0-20 A Single: 1 Dail: 2 Single: 1 Dail: 2 Outputs up to 175 W (See Rewerflex envelope graph) up to 420 W (See XPI 35 10 and XPF 60 20 Powerflex Output more envelope graph) up to 420 W (See XPI 35 10 and XPF 60 20 Powerflex Output more envelope graph) up to 420 W (See XPI 35 10 and XPF 60 20 Powerflex Woltage 10% - 110% of maximum output voltage 1V to 66V Output By single loganthmic control 0.00 Sin 6 n a 90% load change. Carrent Setting By single loganthmic control -0.01% for a 90% load change. Rapple and Noise up to 175 W (See XPI 25 10 and 70% load change. -20.01% for a 90% load change. Rapple and Noise up to 100 V of set leaf Pos (Sead thange. -20.01% for a 90% load change. Rapple and Noise up to 100 V of set leaf Pos (Sead thange. -20.01% for a 90% load change. Transient Response -2-25 to with 100 V of set leaf Pos (Sead thange. -20.01% for a 90% load change. Transient Response -2-25 to with 100 V of set leaf Pos (Sead thange. -2.05% for A0 70%	Output Ratings (Each Output)				
Output Nower 2 Single 1 Duit 2 Output Nower up to 175 W (See Reverflex envelope graph) up to 200 Series Output Nodols 59-10 Sories 60-20 Series OVP Range 10% - 110% of maximum output voltage 1V to 66V OVP Range 10% - 110% of maximum output voltage 1V to 66V Output Nodols 59 single logarithmic control 1V to 66V Output Nodols -001% for a 10% line voltage dange Cald Regulation <0.05% for a 90% load change.	Output Voltage	0 - 35 V	0 - 60 V		
Dutput Power up to 175 W (See PowerFlex envelope graph) up to 420 W (See XP 3-10 and XPF 60-20 PowerFlex power envelope graph) Output Works 29:10 Service 60/20 Service Output Works 29:10 Service 60/20 Service Output Baye 10% - 110% of maximum output voltage 11 V to 66V Voltage Serving By single bagnifimic control 0.01% for a 10% in constant voltage mode. Typically 5-5K0 in constant current mode (voltage limit at max.) Line Regulation < 0.01% for a 10% in constant voltage mode. Typically 5-5K0 in constant current mode (voltage limit at max.) Line Regulation < 0.01% for a 10% in constant voltage mode. Typically 5-5K0 in constant current mode (voltage limit at max.) Line Regulation < 0.01% for a 10% in constant voltage mode. Typically 5-5K0 in constant current mode (voltage limit at max.) Line Regulation < < 0.01% for a 10% in constant voltage mode. Typically 5-5K0 in constant current mode (voltage limit at max.) Line Regulation < < < < < < > < < < > < < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < > < < < > < < < < < < < < < < > < < < < < < < < < < < > < < < < < < < < < > < < < < < < < < < < < < < < > < < < > < < > < < > < > < < > < > < < > < < > < > < < > < < > < < < > < < < > < < < < > < < > < < < > < < < < > < < > < < < > < < < < < > < < > < < > < < > < < < < < < > < < < < < > < < < < < < < < < < < < < > < < < < < < > < < < < < < < < <	Output Current	0 - 10 A	0 - 20 A		
Dutput power envelope graph) Output 000000000000000000000000000000000000	Outputs	2	Single: 1 Dual: 2		
Media 25:10 series 69:20 series OVP Range 10% - 110% of maximum outpage 1 V to 66V OVP Range By coarse and line controls Current Stating By coarse and line controls Inde Regulation 400% for a 90% load change. Load Regulation c00% for a 90% load change. Inde Regulation c00% for a 90% load change. Transient Response c2m to within 100m V ps kg. (20 MHz bandwidth) both output Silly load change. Transient Response c2m to within 100m V ps kg. (20 MHz bandwidth) both output Silly load change. Torper turner Coefficient Typically Nyme, 20 m V ps kg. (20 MHz bandwidth) both output Silly load change. Output Tortection Forward protection by OVP trip, maximum voltage that should be applied to the terminals is 50 V for XPF35-10 and 70V for XPF60-20. Reverse protection by OVP trip, maximum voltage that should be applied to the terminals is 50 V for XPF35-10 and 70V for XPF60-20. Reverse protection by OVP trip, maximum voltage that should be applied to the terminals is 50 V for XPF35-10 and 70V for XPF60-20. Reverse protection by OVP trip, maximum voltage that should be applied to the terminals is 50 V for XPF35-10 and 70V for XPF60-20. Reverse protection by OVP trip, maximum voltage that should be applied to the terminals is 50 V for XPF35-10 and 70V for XPF35-10 and 70V fo		up to 175 W(See PowerFlex envelope graph)			
OPP Range 10%-110% of maximu output voltage 1V to 66V Voltage Setting By costse and fine controls	<u> </u>				
Values By carse and fine controls Current Setting By single logarithmic control Output Impediance Typically -Sch in constant voltage mode. Biple and Noise Spically T nut ms, -21 nut / pck, (20 MHz bandwidth) bub typically 1 nut ms, -11 nut / pck, (20 MHz bandwidth) bub rotputs loaded (10.60 w 42 V), in CV mode. Transient Response -2ms to within 100m V of set level for 90% load change. -2350 to within SON V of setting for 35% load change. Transient Response Typically -Tologom?C					
Current Setting By single logarithmic control Output Impediance Typically CSM D in constant voltage mode. Typically SSK D in constant current mode (voltage limit at max.) Line Regulation <0.01% for a 10% line voltage change.			1V to 66V		
Dutput Impedance Typically <>5N0 in constant voltage mode Typically >>SN0 in constant current mode (voltage limit at max.) Line Regulation <0.01% for a 10% line voltage change.					
Line Regulation <0.01% for a 10% line voltage change.	5	, , , , ,			
Load Regulation <0.05% for a 90% load change.	Output Impedance	Typically $<5m\Omega$ in constant voltage mode. Typically $>5k\Omega$	Typically $<5m\Omega$ in constant voltage mode. Typically $>5k\Omega$ in constant current mode (voltage limit at max.)		
Ripple and Noise typically 2 mV rms, <20 mV pic.pk, (20 MHz bandwidth) both outputs fully loaded (5A @ 35 V), in CV mode. typically 1 mV rms, <10 mV pic.pk, (20 MHz bandwidth) both outputs fully loaded (5A @ 35 V), in CV mode. Transient Response <2ms to With 100mV of set level for 90% load change.	Line Regulation	<0.01% for a 10% line voltage change.			
oinput Shulp loaded (5A @ 35 v), in CY mode. oitput Subded (1A @ 42, v), in CY mode. Transient Response <2ms to within 100mV of set level for 90% load change.	Load Regulation	<0.05% for a 90% load change.	<0.01% for a 90% load change.		
Temperature Coefficient Typically <100ppm/°C	Ripple and Noise				
Durbul ProtectionForward protection by OVP trip; maximum voltage that should be applied to the terminals is S0 V for XPF3S-10 and 70V for XPF60-20. Reverse protection by dide clap foreverse currents up to 3A.Status IndicationLED indication of Output On, CV, CI and Power Limit. Message on display of or over-voltage tripOutput SwitchPush-push switch operating electronic power control. Prese to ubage and current are displayed when the output is offOutput Terminals4mm terminals on 19mm (0.75") pitch. 15 A max. rating (XPF 35-10) and 30 A max. rating (XPF 60-20)SensingRemote sensing via a front panel terminal block or local sensing (at output terminals). Selection by slide switchMeter Resolution10 m/, 10 mAMeter Resolution0.5% ± 1 digitOutput Surrent0.3% + / 2 digitCurrent0.5% ± 1 digitOutput Surrent0.3% + / 2 digitCurrent0.5% ± 1 digit, option HV for factory set 20-204 VAC +/ 10% (digutsable internally, option HV for factory set 20-204 VAC input) 50/60 Hz. Installation Category IIStorage TemperatureHolor use at altitudes up to 2000m, Pollution Degree 2Storage Temperature40 °C to + 70 °CPhysicalSkg (11b)Dimensions130a210x350mm (½ rack 3U height)Single - 107 x 130 (½ rack 3U) x 39mm Dual - 210 x 130 mm (½ rack 3U) x 37mm (size excludes feet, knobs and terminals)CodingConvection (XPF 35-10), Fan (XPF 42-20)Power Consumption625 VA max. (XPF 35-10), fan (XPF 42-20)Power Consumption625 VA max. (XPF 35-10), fan (XPF 42-20)Power Consumption625 VA max. (XPF 35-10) <td< td=""><td>Transient Response</td><td><2ms to within 100mV of set level for 90% load change.</td><td><250µs to within 50mV of setting for a 5% to 95% load change</td></td<>	Transient Response	<2ms to within 100mV of set level for 90% load change.	<250µs to within 50mV of setting for a 5% to 95% load change		
Status Indication XPF60-20. Reverse protection by diode clap forreverse currents i yeals for over-voltage trip Status Indication LED indication of Output On, CV, Cl and Power Limit. Message or Use yeals for over-voltage trip Output Switch Push-push switch operating electronic power control. Preset voltage and curent are displayed when the output is off Output Terminals Ammerinals on Imm (0.75°) pitch. 15 A max. rating (XPF 85-10) and 30 A max. rating (XPF 60-20) Sensing Remote sensing via a front panel terminal block or local sensing (at -utput terminals). Selection by slide switch Meter Type Dual 4 digit meters with 12.5mm LEDs. Read rate 4Hz. Meter Resolution 10 mV, 10 mA Meter Accuracy Voltage 0.2% ± 1 digit. Output Terminals Joe or local sensing (at -utput terminals). Selection by slide switch Meter Accuracy Voltage Output Sensition Output Sensition Output A digit meters with 12.5mm LEDs. Read rate 4Hz. Meter Accuracy Voltage Output Sensition Output Sensition Output Sensition Output Sensition Sensition Sensition Sensition Sense Sensit	Temperature Coefficient	Typically <100ppm/°C			
Output Switch Push-push switch operating electronic power control. Preset voltage and current are displayed when the output is off Output Terminals 4mm terminals on 19mm (0.75*) pitch. 15 A max. rating (XPF 35-10) and 30 A max. rating (XPF 60-20) Sensing Remote sensing via a front panel terminal block or local sensing (at output terminals). Selection by slide switch Meter Type Dual 4 digit meters with 12.5mm LEDs. Read rate 4Hz. Meter Resolution 10 mV, 10 mA Meter Accuracy 0.2% ± 1 digit Voltage 0.2% ± 1 digit Current 0.3% +/ 2 digit Input 0.3% +/ 2 digit AC Input 110 V - 120 V AC or 220 V - 240 V AC +/- 10% (adjustable internally, option HV for factory set 220-240 VAC +/- 10% (adjustable internally, option HV for factory set 220-240 VAC +/- 10% (adjustable internally, option HV for factory set 220-240 VAC +/- 10% (adjustable internally, option HV for factory set 220-240 VAC +/- 10% (adjustable internally, option HV for factory set 220-240 VAC +/- 10% (adjustable internally, option HV for factory set 220-240 VAC +/- 10% (adjustable internally, option HV for factory set 220-240 VAC +/- 10% (adjustable internally, option HV for factory set 220-240 VAC +/- 10% (adjustable internally, option HV for factory set 220-240 VAC +/- 10% (adjustable internally, option HV for factory set 220-240 VAC +/- 10% (adjustable internally, option HV for factory set 220-240 VAC +/- 10% (adjustable internally, option HV for factory set 220-240 VAC +/- 10% (adjustable internally, option HV for factory set 220-240 VAC +/- 10% (adjustable internally, 0ption HV for factory set 220-240 VAC +/- 10% (adjustable internally, 0ption HV for factory set 2	Output Protection				
Output Terminals 4mm terminals on 19mm (0.75") pitch. 15 A max. rating (XPF 35-10) and 30 A max. rating (XPF 60-20) Sensing Remote sensing via a front panel terminal block or local sensing (at output terminals). Selection by slide switch Meter Type Dual 4 digit meters with 12.5mm LEDs. Read rate 4Hz. Meter Resolution 10 mV, 10 mA Meter Accuracy 0.2% ± 1 digit 0.1% +/- 2 digit Current 0.5% ± 1 digit 0.3% +/- 2 digit Input 110 V - 120 V AC or 220 V - 240 V AC +/- 10% (adjustable internally, option HV for factory set 202-240 V AC +/- 10% (adjustable internally, option HV for factory set 202-240 V AC input) 50/60 Hz. Installation Category II 110 to 240 volts ± 10% 50/60Hz. Installation Category II Environmental Indoor use at altifudes up to 2000m, Pollution Degree 2 50/60Hz. Installation Category II Storage Temperature -40 °C to + 70 °C F0+sical Dimensions 130x210x350mm (½ rack 3U height) Single - 107 x 130 (¼ rack 3U) x 398mm (½ rack 3U) x 377mm (size excludes feet, knobs and terminals) Weight 5kg (11lb) Single - 4.25kg (0.35lb) Dual - 6.3kg (13.9lb) Outer Consumption 625 VA max. (XPF 35-10), Fan (XPF 42-20) Power Consumption 625 VA max. (XPF 35-10), Fan (XPF 42-20) Power Consumption 625 VA max. (XPF 35-10), Fan (XPF 42-20)	Status Indication	LED indication of Output On, CV, CI and Power Limit. Mess	sage on display for over-voltage trip		
Sensing Remote sensing via a from panel terminal block or local sensing (at output terminals). Selection by slide switch Meter Type Dual 4 digit meters with 12.5mm LEDs. Read rate 4Hz. Meter Resolution 10 mV, 10 mA Meter Accuracy 0.2% ± 1 digit 0.1% +/- 2 digit Voltage 0.2% ± 1 digit 0.3% +/- 2 digit Input 0.3% ± 1 digit 0.3% +/- 2 digit AC Input 110 V - 120 V AC or 220 V - 240 V AC +/- 10% (adjustable internally, option HV for factory set 220-240 VAC input) 50/60 Hz. Installation Category II 110 to 240 volts ±10% 50/60Hz. Installation Category II Environmental Indoor use at altitudes up to 2000m, Pollution Degree 2 50/60Hz. Installation Category II Operating Temperature Indoor use at altitudes up to 2000m, Pollution Degree 2 Single - 107 x 130 (¼ rack 3U) x 398mm Dual - 210 x 130 cM (¼ rack 3U) x 397mm (size excludes feet, knobs and terminals) Weight Skg (11lb) Single - 107 x 130 (¼ rack 3U) x 397mm (size excludes feet, knobs and terminals) Weight Skg (11lb) Single - 107 x 130 (¼ rack 3U) x 377mm (size excludes feet, knobs and terminals) Operating Convection (XPF 35-10), Fan (XPF 42-20) Power Consumption 625 VA max, (XPF 35-10) 125 VA max, (XPF 60-20) Safety Complies with EN61010-	Output Switch	Push-push switch operating electronic power control. Pres	set voltage and curent are displayed when the output is off		
SensingRemote sensing via a from panel terminal block or local sensing (at output terminals). Selection by slide switchMeter TypeDual 4 digit meters with 12.5mm LEDs. Read rate 4Hz.Meter Resolution10 mV, 10 mAMeter Resolution10 mV, 10 mAMeter Accuracy0.2% ± 1 digit0.1% +/- 2 digitVoltage0.2% ± 1 digit0.3% +/- 2 digitInput10 nV - 120 V AC or 220 V - 240 V AC +/- 10% (adjustable internally, option HV for factory set 220-240 VAC input) 50/60 Hz. Installation Category II110 to 240 volts ±10% 50/6Hz. Installation Category IIEnvironmentalIndoor use at altitudes up to 2000m, Pollution Degree 2 storage Temperatureindoor use at altitudes up to 2000m, Pollution Degree 2 storage TemperaturePhysicalIndoor use at altitudes up to 2000m, Pollution Degree 2 storage TemperatureSingle - 107 x 130 (¼ rack 3U) x 398mm Dual - 210 x 130 mu (½ rack 3U) kaj 30km Dual - 210 x 130 mu (½ rack 3U) kaj 30km Dual - 6.3kg (13.9lb) Dual - 6.3kg (13.9lb)Weight5kg (11lb)Single - 4.25kg (9.35lb) Dual - 6.3kg (13.9lb) Dual - 6.3kg (13.9lb)GeneralImmediate Complex with RN61010-1 EMCImmediate Complex with RN61326Protection FeaturesComplex with RN61326Immediate Complex with RN61326Protection FeaturesComplex with RN61326Immediate Complex with RN61326	Output Terminals	4mm terminals on 19mm (0.75") pitch, 15 A max, rating (
Meter TypeDual 4 digit meters with 12.5mm LEDs. Read rate 4Hz.Meter Resolution10 mV, 10 mAMeter Accuracy0.1% +/- 2 digitVoltage0.2% ± 1 digit0.1% +/- 2 digitCurrent0.5% ± 1 digit0.3% +/- 2 digitInput110 V - 120 VAC or 220 V - 240 VAC +/- 10% (adjustable internally, option HV for factory set 220-240 VAC input 50/60 Hz. Installation Category II110 to 240 volts ± 10% 50/60Hz. Installation Category IIEnvironmentalIndoor use at altitudes up to 2000m, Pollution Degree 2Single - 107 x 130 (¼ rack 3U) x 398mm Dual - 210 x 130 mm (½ rack 3U) kight)Physical	•				
Meter Resolution 10 m/v 10 mA Meter Accuracy Voltage 0.2% ± 1 digit 0.1% +/- 2 digit Current 0.5% ±1 digit 0.3% +/- 2 digit Input 0.5% ±1 digit 0.3% +/- 2 digit AC Input 110 V - 120 V AC or 220 V - 240 V AC +/- 10% (adjustable internally, option HV for factory set 220-240 VAC input) 50/60 Hz. Installation Category II 110 to 240 volts ±10% 50/60Hz. Installation Category II Environmental Indoor use at altitudes up to 2000m, Pollution Degree 2 50/60Hz. Installation Category II Operating Temperature Indoor use at altitudes up to 2000m, Pollution Degree 2 50/60Hz. Installation Category II Storage Temperature 130x210x350mm (½ rack 3U height) Single - 107 x 130 (¼ rack 3U) x 398mm Dual - 210 x 130 mm (½ rack 3U) x 397mm (size excludes feet, knobs and terminals) Weight Skg (11b) Single - 107 x 130 (¼ rack 3U) x 397mm (size excludes feet, knobs and terminals) Operator Single - 107 x 130 (¼ rack 3U) x 398mm Dual - 210 x 130 mm (½ rack 3U) x 377mm (size excludes feet, knobs and terminals) Weight Skg (11b) Single - 4.25kg (9.35lb) Dual - 6.3kg (13.9lb) Operator Sorder Sorder Cooling Convection (XPF 35-10), Fan (XPF 42-20) Namax. (XPF 60-20)<	5				
Meter Accuracy Voltage 0.2% ± 1 digit 0.1% ±/.2 digit Current 0.5% ± 1 digit 0.3% ±/.2 digit Input I10 V · 120 V AC or 220 V · 240 V AC +/· 10% (adjustable internally, option HV for factory set 202-240 VAC input; 50/60 Hz. Installation Category II 110 to 240 volts ± 10% 50/60Hz. Installation Category II Environmental Indoor use at altitudes up to 2000m, Pollution Degree 2 50/60Hz. Installation Category II Operating Temperature Indoor use at altitudes up to 2000m, Pollution Degree 2 50/60Hz. Installation Category II Operating Temperature -40 °C to + 70 °C - Physical - - Dimensions 130x210x350mm (½ rack 3U height) Single - 107 x 130 (¼ rack 3U) x 398mm Dual - 210 x 130 mm (½ rack 3U) x 377mm (size excludes feet, knobs and terminals) Weight Skg (11lb) Single - 425kg (9.35lb) Dual - 6.3kg (13.9lb) Opereration Convection (XPF 35-10), Fan (XPF 42-20) - Power Consumption 625 VA max. (XPF 35-10) 1250 VA max. (XPF 60-20) Safety Complies with EN61010-1 - - EMC Complies with EN61010-1 - - EMC Complies with EN61326					
Voltage0.2% ± 1 digit0.1% +/- 2 digitCurrent0.5% ± 1 digit0.3% +/- 2 digitInputInputInputInputAC InputInput - 120 V AC or 220 V - 240 V AC +/- 10% (adjustable internally, option HV for factory set .20/40 VAC input) 50/60 Hz. Installation Category IIInput category IIDeperationIndoor use at altitudes up to 2000m, Pollution Degree 2Sofo@Hz. Installation Category IIStorage TemperatureIndoor use at altitudes up to 2000m, Pollution Degree 2Sofiel - 107 x 130 (¼ rack 3U) x 398mm Dual - 210 x 130 mm (½ rack 3U) x 377mm (size excludes feet, hoods and terminals)DimensionsInfox Single - 107 x 130 (¼ rack 3U) x 377mm (size excludes feet, hoods and terminals)WeightSkingle - 107 x 130 (¼ rack 3U) x 377mm (size excludes feet, hoods and terminals)CoolingConvection (XPF 35-10), Fan (XPF 42-20)Power Consumption625 VA max. (XPF 35-10), Fan (XPF 42-20)Power Consumption625 VA max. (XPF 35-10)SafetyComplies with EN61010-1EMCComplies with EN61010-1EMCComplies with EN61010-1EMCComplies with EN61010-1Portection Features		10 mV, 10 mA			
Current0.5% ± 1 digit0.3% ± /.2 digitInput					
InputAC Input110 V - 120 V AC or 220 V - 240 V AC +/- 10% (adjustable internally, option HV for factory set 220-240 VAC input) 50/60 Hz. Installation Category II110 to 240 volts ±10% 50/60Hz. Installation Category IIEnvironmentalOperating TemperatureIndoor use at altitudes up to 2000m, Pollution Degree 2Storage Temperature-40 °C to + 70 °CPhysicalDimensions130x210x350mm (½ rack 3U height)Single - 107 x 130 (¼ rack 3U) x 398mm Dual - 210 x 130 mm (½ rack 3U) x 377mm (size excludes feet, knobs and terminals)WeightSkg (11lb)GeneralCoolingConvection (XPF 35-10), Fan (XPF 42-20)Power Consumption625 VA max. (XPF 35-10)SafetyComplies with EN61010-1EMCComplies with EN61010-1EMCComplies with EN61326RegulatoryCE-marked units meet: EN61010-1 and EN61326Protection Features	Voltage	0.2% ± 1 digit			
AC Input110 V - 120 V AC or 220 V - 240 V AC +/- 10% (adjustable internally, option HV for factory set 220-240 VAC input) 50/60 Hz. Installation Category II110 to 240 volts ±10% 50/60Hz. Installation Category IIEnvironmentalIndoor use at altitudes up to 2000m, Pollution Degree 2So/60Hz. Installation Category IIOperating TemperatureIndoor use at altitudes up to 2000m, Pollution Degree 2Sorage Temperature-40 °C to + 70 °CPhysicalI 30x210x350mm (½ rack 3U height)Single - 107 x 130 (¼ rack 3U) x 398mm Dual - 210 x 130 mm (½ rack 3U) x 398mm Dual - 210 x 130 mm (½ rack 3U) x 377mm (size excludes feet, knobs and terminals)Weight5kg (11lb)Single - 107 x 130 (¼ rack 3U) x 398mm Dual - 210 x 130 mm (½ rack 3U) x 377mm (size excludes feet, knobs and terminals)CoolingConvection (XPF 35-10), Fan (XPF 42-20)Single - 4.25kg (9.35lb) Dual - 6.3kg (13.9lb)Power Consumption625 VA max. (XPF 35-10), Fan (XPF 42-20)1250 VA max. (XPF 60-20)SafetyComplies with EN61010-11250 VA max. (XPF 60-20)EMCComplies with EN61326Portection FeaturesProtection FeaturesImage: EN61010-1 and EN61326Protection FeaturesImage: EN61010-1 and EN61326	Current	0.5% ±1 digit	0.3% +/- 2 digit		
(adjustable internally, option HV for factory set 220-240 VAC input) 50/60 Hz. Installation Category II 50/60Hz. Installation Category II Environmental Indoor use at altitudes up to 2000m, Pollution Degree 2 Indoor use at altitudes up to 2000m, Pollution Degree 2 Storage Temperature -40 °C to + 70 °C Physical Dimensions 130x210x350mm (½ rack 3U height) Single - 107 x 130 (¼ rack 3U) x 398mm Dul - 210 x 130 mm (½ rack 3U) x 377mm (size excludes feet, knobs ant terminals) Weight Skg (11lb) Single - 4.25kg (9.35lb) Dul - 6.3kg (13.9lb) Option Single - 4.25kg (9.35lb) Dul - 6.3kg (13.9lb) Dower Consumption 625 VA max. (XPF 35-10), Fan (XPF 42-20) Power Consumption 625 VA max. (XPF 35-10), Fan (XPF 42-20) Safety Complies with EN61010-1 EMC Complies with EN61010-1 EMC Complies with EN61326 Regulatory CE-marked units meet EN61010-1 and EN61326 Protection Features Factore EN61010-1 and EN61326	Input				
Operating Temperature Indoor use at altitudes up to 2000m, Pollution Degree 2 Storage Temperature -40 °C to + 70 °C Physical Single - 107 x 130 (¼ rack 3U) x 398mm Dimensions 130x210x350mm (½ rack 3U height) Single - 107 x 130 (¼ rack 3U) x 398mm Dual - 210 x 130 mm (½ rack 3U) x 397mm (size excludes feet, knobs and terminals) Weight Skg (11b) Single - 4.25kg (9.35lb) Dual - 6.3kg (13.9lb) General	AC Input	(adjustable internally, option HV for factory set			
Storage Temperature -40 °C to + 70 °C Physical Dimensions 130x210x350mm (½ rack 3U height) Single - 107 x 130 (¼ rack 3U) x 398mm Dual - 210 x 130 mm (½ rack 3U) x 377mm (size excludes feet, knobs and terminals) Weight 5kg (11lb) Single - 4.25kg (9.35lb) Dual - 6.3kg (13.9lb) General	Environmental				
Physical Dimensions 130x210x350mm (½ rack 3U height) Single - 107 x 130 (¼ rack 3U) x 398mm Dual - 210 x 130 mm (½ rack 3U) x 377mm (size excludes feet, knobs and terminals) Weight 5kg (11lb) Single - 4.25kg (9.35lb) Dual - 6.3kg (13.9lb) General	Operating Temperature	Indoor use at altitudes up to 2000m, Pollution Degree 2			
Dimensions130x210x350mm (½ rack 3U height)Single - 107 x 130 (¼ rack 3U) x 398mm Dual - 210 x 130 mm (½ rack 3U) x 377mm (size excludes feet, knobs and terminals)Weight5kg (11lb)Single - 4.25kg (9.35lb) Dual - 6.3kg (13.9lb)General		-40 °C to + 70 °C			
Dual - 210 x 130 mm (½ rack 3U) x 377mm (size excludes feet, knobs and terminals)WeightSkg (11lb)Single - 4.25kg (9.35lb) Dual - 6.3kg (13.9lb)GeneralCoolingConvection (XPF 35-10), Fan (XPF 42-20)Power Consumption625 VA max. (XPF 35-10)1250 VA max. (XPF 60-20)SafetyComplies with EN61010-1EMCComplies with EN61326RegulatoryCE-marked units meet: EN61010-1 and EN61326Protection Features	Physical				
Weight5kg (11lb)Single - 4.25kg (9.35lb) Dual - 6.3kg (13.9lb)GeneralCoolingConvection (XPF 35-10), Fan (XPF 42-20)Power Consumption625 VA max. (XPF 35-10)1250 VA max. (XPF 60-20)SafetyComplies with EN61010-1EMCComplies with EN61326RegulatoryCE-marked units meet: EN61010-1 and EN61326Protection Features	Dimensions	130x210x350mm (½ rack 3U height)	Dual - 210 x 130 mm (½ rack 3U) x 377mm		
Cooling Convection (XPF 35-10), Fan (XPF 42-20) Power Consumption 625 VA max. (XPF 35-10) 1250 VA max. (XPF 60-20) Safety Complies with EN61010-1 1250 VA max. (XPF 60-20) EMC Complies with EN61326 Cemarked units meet: EN61010-1 and EN61326 Protection Features Vertical Sector Sect	Weight	5kg (11lb)	Single - 4.25kg (9.35lb)		
Cooling Convection (XPF 35-10), Fan (XPF 42-20) Power Consumption 625 VA max. (XPF 35-10) 1250 VA max. (XPF 60-20) Safety Complies with EN61010-1 1250 VA max. (XPF 60-20) EMC Complies with EN61326 Cemarked units meet: EN61010-1 and EN61326 Protection Features Vertical Sector Sect	General				
Power Consumption 625 VA max. (XPF 35-10) 1250 VA max. (XPF 60-20) Safety Complies with EN61010-1 EMC Complies with EN61326 Regulatory CE-marked units meet: EN61010-1 and EN61326 Protection Features	Cooling	Convection (XPF 35-10), Fan (XPF 42-20)			
EMC Complies with EN61326 Regulatory CE-marked units meet: EN61010-1 and EN61326 Protection Features	Power Consumption		1250 VA max. (XPF 60-20)		
Regulatory CE-marked units meet: EN61010-1 and EN61326 Protection Features	Safety	Complies with EN61010-1			
Protection Features					
	<u> </u>	CE-marked units meet: EN61010-1 and EN61326	CE-marked units meet: EN61010-1 and EN61326		
Over voltage protection per output	Protection Features				
	Over voltage protection per output				
Switchable remote or local sense	Switchable remote or local sense				

XPF Series

Power Envelope (each output)

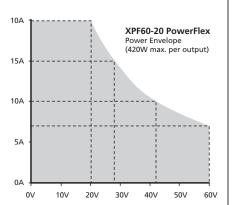
The maximum current at any voltage setting is limited by the power envelope which is set to give 5A at 35V rising to 10A at 12V and lower.

Double the current or double the voltage can be achieved by parallel or series connection of the two outputs.

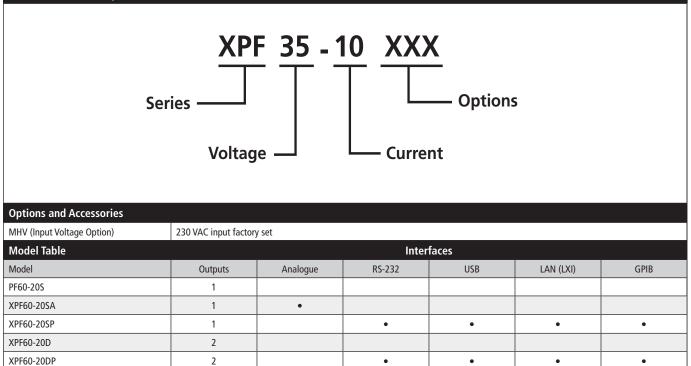


The maximum current at any voltage setting is limited by the power envelope which is set to give 7A at 60V rising to 20A at 20V and lower.

Double the current or double the voltage can be achieved by parallel or series connection of the two outputs.



Model Number Description



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350-840 W

Notes	