

SUPLET[®]
雷能电源

Industrial Customized Power

(Catalog VOL.19)

Shenzhen Suplet Co.,Ltd

Company Profile

Shenzhen Suplet Co., Ltd. (Suplet for short) is a high-tech company which focuses on developing high-reliability power supplies. Suplet began with developing and manufacturing power supplies in telecommunications. Over the 17 years, Suplet has expanded such many fields as telecommunication, intelligent control, data center, electric power, railway, vehicle, new energy and industrial control, benefiting from the great industrial-supporting capacity of The China Great Bay Area, aggressive abroad markets as well as sufficient talents in technology. Suplet is an excellent supplier of several well-known enterprises and establishes a long-term relation of cooperation.

Taking the market and technology as guide, Suplet has invested significant R&D resources in product development, which is committed to provide highly reliable power solutions and products for customers. Over the years' development, we own:

- * Facility area of 20,000m²
- * More than 300 employees with some 100 R&D engineers, some technical backbones from world-famous power enterprises and, in practice, cultivate many engineers at various levels.
- * Waveform, SMT production lines, SIP/DIP/SMD package, EMC laboratory and harsh environmental laboratories like high temp/low temp/humidity/drop/vibration
- * More than 110 patents with over 30 invention patents

Suplet works strictly in accordance with ISO9001 international quality management system, ISO14001 international environmental management system, ISO45001 occupational health and safety management system and TL9000-H quality system. The products have been certified by 3C/CE/TUV/UL, etc.

For customization requirements, our substantial basic accumulation is able to swiftly meet unconventional demands. Suplet has developed various power supplies, as follow:

- * Rectifier for Telecommunication and Electric Power
- * Monitoring and Controller Unit
- * Power system with a single cabinet up to 300A
- * Server Power Supply
- * Board Mounted Power Supply
- * Industrial Power Supply
- * High Density Power Supply for LED Display
- * POE Injector
- * Vehicle Power Supply
- * Open Frame Power Supply
- * Closed and Special Power Supply against Bad Environments
- * New Energy Charging Power Supply



and all kinds of customized power supplies across AC/DC, DC/DC and DC/AC, ranging from SIP/DIP/SMD package at chip level to industrial standard cabinet power systems. Together with strong technical reserves and R&D human resources, the fast feedback system provides mechanism guarantees for developing customized power supplies.



Certification

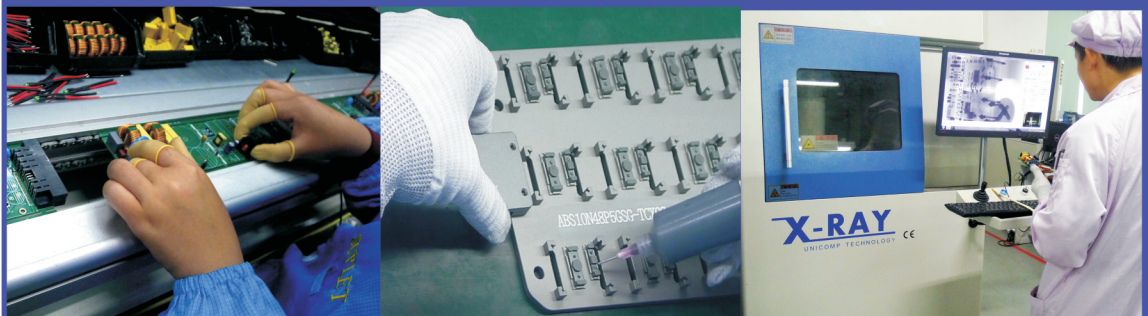
Application

Facing to telecom, electric power, broadcast & TV, railway, instrument, security and new power energy, Suplet offers power modules and power systems.



Product and Service

Suplet production lines include power module and embedded power system. Suplet offers various power solutions for global engineers, which promotes faster and more flexible design, and makes the product development easier to be completed.



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● LAA252-220S4V2W



● LAK180-220S4V5W

Power Supply for LED Display

Power Supply for LED Display

Output: 180W-276W

Features

- Universal AC input/Full range
- Output voltage:4.2-50Vdc
- Power: 180W-276W
- High efficiency up to 89%
- Output current up to 60A
- Low output ripple and noise
- Protections: Over load/over voltage/over temperature/short circuit
- IEC/EN/UL 60950-1
- RoHS2.0



Power Supply for LED Display (AC-DC Enclosed Series)	
Input voltage range	90~264Vac
PFC	Built-in active PFC function
Output voltage	4.2/4.5/4.6Vdc
Output power	180W-276W
Protections	Over load/over voltage/over temperature/short circuit
MTBF	>100Khrs
Operating temperature	Refer to order-information list
Isolation voltage	I/P-O/P:3000Vac
Safety	IEC/EN/UL 60950-1
EMC	CE&RE: EN55022 CLASS A / CLASS B

Order information

MPN	Input voltage	Output voltage/Output current	Power	Efficiency	Physical dimensions	Operating temperature	Cooling	Ingress protection
Enclosed LED display power supply(AC-DC)								
LAK180-220S4V2W	90-264Vac	4.2/4.5Vdc/40A	180W	89%	145*60*24.1mm	-30℃~+70℃	No fan	-
LAK180-220S4V5W	90-264Vac	4.5Vdc/40A	180W	88%	-	-40℃~+60℃	No fan	-
LAA252-220S4V2W	90-264Vac	4.2Vdc/60A	252W	89%	168*121.4*31mm	-20℃~+65℃	No fan	-
LAA276-220S4V6W	90-264Vac	4.6Vdc/60A	276W	89%	168*121.4*31mm	-20℃~+65℃	No fan	-

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- POE Injector (multiple ports)



- POE Injector (Single Port)

POE Injector

POE Injector (multiple ports)

Output: 4 ports , 240W

Features

- Universal AC input/Full range
- Compatible with all IEEE pre 802.3af, 802.3at and legacy powered devices
- Support 300Vac input for long time work
- Built-in output over load and over voltage protection
- MTBF≥1Mhrs
- Input and output surge protection
- Fanless designed and application
- IEC/EN/UL 60950-1



General specifications

Input characteristics	
Input voltage	90-264Vac
Input current (max.)	4A
Frequency	4~63Hz
Output characteristics	
Output voltage	54~57Vdc
Output power	240W
Output voltage precision	-%4Vo~+2%Vo
Load regulation	±3%Vo
Ripple and noise	250mV (max.)
Pin assignment and polarity	4-pair for full power
	3/6/4/5 (+) and 1/2/7/8 (-)
Pin assignment and polarity	2-pair for full power
	3/6(+) and 1/2(-)
Port	4
Pass through data rates	10/100/1000 Mbps
LED indicator	Power&PoE Status(The module operates normally when MID and END are on)
Base function	Compliance to IEEE 802.3 at/af Standard for PD
Network medium	10BASE-T: unshielded twisted pair category 3, 4 or 5
	100BASE-TX: unshielded twisted pair category 5 and above
	1000BASE-TX: unshielded twisted pair category 5 and above

Protection Characteristics	
Output over voltage protection	Automatically recover without damage
Output over current protection	Automatically recover without damage
Short circuit protection	Output can be long time shorted, no damaged. Hiccup mode(automatic recovery)
Environmental Characteristics	
Operating ambient temperature	-20℃~60℃(Turn-on @0 °C)
Operating humidity	5%RH~90%RH
Vibration	10~500Hz, 2G 10min./1cycle, 60min. each along X,Y, Z axes
EMC&Safety	
Safety	IEC/EN/UL 60950-1
Withstand voltage	Primary to Secondary:4242Vdc, Primary to ground: 2121Vdc, Secondary to ground: 500Vdc
Isolation resistance	Primary to Secondary & Primary to Field ground:10MΩ
RS	EN61000-4-3, Level 2
CS	EN61000-4-6, Level 2
CE, RE	EN 55022 Class B
Surge protection	Power input port meets EN 61000-4-5 criterion B: L-N 1KV L,N-PE 2KV Output communication port:1KV different mode (criterion B)
ESD	EN61000-4-2 Level 3
EFT	EN61000-4-4 Level 2
Voltage Dips	EN61000-4-11
Harmonic	EN61000-3-2 Class A

Order information

MPN	Input voltage	Output voltage/Output current	Power	Efficiency	Physical dimensions
LAS240-57CN-RJ45-4	90-264Vac	56Vdc/4.2A	240W	-	240*225*43mm

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POE Injector (Single Port)

Output power : 30W-90W

Features

- Universal AC input/Full range
- Compatible with all IEEE pre 802.3af, 802.3at and legacy powered devices
- Support 300Vac input for long time work
- Built-in output over load and over voltage protection
- MTBF≥1Mhrs
- Input and output surge protection
- Fanless designed and application
- IEC/EN/UL 60950-1
- RoHS2.0
- Physical dimensions: 183*70.8*37mm



General specifications

	MPN		LAS30-57CN-RJ45		LAS45-57CN-RJ45-S3		LAS60-57CN-RJ45		LAS75-57CN-RJ45		LAS90-57CN-RJ45	
Input charact eristics	Input voltage range		90-264Vac		85-286Vac		90-264Vac		90-264Vac		90-264Vac	
	Input current(max.)		2A		2A		2A		2.5A		3A	
	Frequency		47~63Hz									
Output charact eristics	Output voltage		54-57Vdc		54-57Vdc		54-57Vdc		53-57Vdc		53-57Vdc	
	Output power		30W		45W		60W		75W		90W	
	Output voltage precision		-4%Vo ~+2%Vo									
	Load regulation (max.)		±1%Vo		±2%Vo		±1%Vo		±1%Vo		±1%Vo	
	Pin assignm ent and polarity	Data pairs	1/2(+) and 3/6(-)(No power wires)				1/2(+) and 3/6(-)(Power wires)					
		Spare pairs	4/5(+) and 7/8(-)(Power wires)				4/5(+) and 7/8(-)(Power wires)					
	Pass through data rates		10/100/1000 Mbps									
	Port		2 (Two 10/100/1000M adaptive RJ45 ports: one is DATA/IN another is POE/DATA)									
	LED indicator		Power&PoE Status (MID is on when using power wires 4/5(+) and 7/8(-))		PWR(green): "PWR" lights when the input is inserted CON(yellow): "CON" lights when the right PD connected, and the converter is in operating mode		Power&PoE Status(The module operates normally when MID and END are on)					
	Base function		Compliance to IEEE 802.3 at/af Standard for PD									
Network medium		10BASE-T: unshielded twisted pair category 3, 4 or 5 100BASE-TX: unshielded twisted pair category 5 and above 1000BAST-TX: unshielded twisted pair category 5 and above										
Protecti on charact eristics	Overload protection		110%~150%Io, hiccup mode(automatic recovery)									
	Short circuit protection		Output can be long time shorted, no damaged. Hiccup mode(automatic recovery)									
Environ mental charact eristics	Operating temperature		-20℃~60℃									
	Operating humidity		5%RH~90%RH									
	Vibration		10~500Hz, 2G 10min./1 cycle, 60min. each along X,Y, Z axes									
EMC&S afety	Safety		EN/UL 60950-1									
	Isolation voltage		Input to output:3kVac, input to ground: 1.5 kVac, output to ground: 0.5 kVac,1minute									
	EMC		FCC Part 15, Class B									
	CE/RE		EN 55022 Class B									
	CS/RS		EN55024,VCCI									
	Surge protection		Power input port meets EN 61000-4-5 criterion B : L-N 1 kV, L,N-PE 2 kV; Output communication port : 1kV differential mode (criterion B)		Power input port meets EN 61000-4-5 criterion B:L-N 3KV L,N-PE 3KV; Output communication port meets EN 61000-4-5 criterion B: L-L:1KV, L-PE:1KV		Power input port meets EN 61000-4-5 criterion B: L-N 1KV L,N-PE 2KV; Output communication port:1KV differential mode (criterion B)		Power input port meets EN 61000-4-5 criterion B: L-N 2KV L,N-PE 4KV; Output communication port:1KV differential mode (criterion B)			

Order information

MPN	Input voltage	Output voltage/Output current	Power
LAS30-57CN-RJ45	90-264Vac	56Vdc/0.536A	30W
LAS45-57CN-RJ45-S3	85-286Vac	56Vdc/0.8A	45W
LAS60-57CN-RJ45	90-264Vac	56Vdc/1.07A	60W
LAS60-57CN-RJ45(EU)	90-264Vac	56Vdc/1.07A	60W
LAS60-57CN-RJ45(UK)	90-264Vac	56Vdc/1.07A	60W
LAS75-57CN-RJ45	90-264Vac	55Vdc/1.3A	75W
LAS90-57CN-RJ45	90-264Vac	55Vdc/1.6A	90W

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● Enclosed AC-DC Series



● DC-DC Enclosed Series

Industrial Power Supplies



● AC-DC Open Frame Series



● DC-DC Open Frame Series

Features

- Universal AC input/Full range
- High efficiency up to 92%
- Built-in active PFC function
- Low output ripple and noise
- Protections: Over load/over voltage/over temperature/short circuit
- IEC/EN/UL 60950-1
- RoHS2.0



General Specifications

Input voltage range	88~265Vac
Output voltage	12/24/-48Vdc
Output power	60-240W
Protections	Over load/over voltage/over temperature/short circuit
MTBF	>50Khrs

Operating temperature		Refer to the order-information list
Isolation voltage		I/P-O/P: 3000Vac
Safety		IEC/EN/UL 60950-1
EMC	CE	EN55022 Class A, B
	RE	EN55022 Class A, B

Order information

MPN	Input voltage	Output voltage/Output current	Power	Efficiency	Physical dimensions	Operating temperature
LAK60-220S12W	90~264Vac	12Vdc/5A	60W	90%	101.6*58.2*36mm	-40℃~+55℃
LAK60-220S12W-B	90-264Vac	12Vdc/5A	60W	90%	101*58.2*35mm	-40℃~+55℃
LAK60-220S12W-F	90-264Vac	12Vdc/5A	60W	90%	101*58.2*36mm	-40℃~+55℃
LAK90-220S12	165-265Vac	12Vdc/7.5A	90W	82%	147*100*45mm	0℃~+60℃
LAK120-220S12W	90-265Vac	12Vdc/10A	120W	89%	187*63*41mm	-25℃~+55℃
LAK150-220S24	187~253Vac	24Vdc/2.65A	150W	80%	231.3*107.6*41.5mm	-5℃~+40℃
LAK168-220D12-48	170-260Vac	12Vdc/10A, -48Vdc/1A	168W	70%	226.5*75.0*30.0mm	-25℃~+55℃
LAK180-220S12W	90-265Vac	12Vdc/15A	180W	92%	200*85*43mm	-40℃~+75℃
LAK240-220S12W	88-264Vac	12Vdc/20A	240W	86%	190*93*50mm	-20℃~+70℃
LAK240-220S24W	88-264Vac	24Vdc/10A	240W	87%	190*93*50mm	-5℃~+40℃
LAK250-220D12-5W	100-240Vac	12Vdc/20A, 5Vdc/2A	250W	80%	185*73.5*39mm	0℃~+50℃

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Features

- High efficiency up to 90%
- Output current up to 10A
- Low output ripple and noise
- High reliability
- Protections: Over load/over voltage/over temperature/short circuit
- IEC/EN/UL 60950-1
- RoHS2.0



General Specifications

	MPN	LDK120-48S12	LDK160-650T24	LDK265-650M24	LDK630-650S315
Input characteristics	Input voltage range	36-72Vdc	400-850Vdc	400-850Vdc	400-750Vdc
	Inrush current	40A@48V input(cold start)	-	-	-
Output characteristics	Output voltage	12Vdc	24Vdc	24Vdc	315Vdc
	Line regulation	±1%Vo	-	-	-
	Load regulation	±1%Vo	-	-	-
	Output voltage precision	±3%Vo	±2%Vo	±1%Vo	±1.5%Vo
	Dynamic response	±5%Vo/500μs@ 50%-25%-50%, 50%-75%-50% Io	±5%Vo/500ms@25%~50%~25%, 50%~75%~50%Io, di/dt=0.1A/s	±5%Vo/500ms@25%~50%~25%, 50%~75%~50%Io, di/dt=0.1A/s	-
	Ripple and noise	120mVp-p	150mVp-p	150mVp-p	-
Protection characteristics	Output voltage rise time	-	300ms	100ms	1000ms
	Over load protection	14-18A, automatic recovery	Automatic recovery	Automatic recovery	4.5A, automatic recovery
	Over voltage protection	13.8-16.8Vdc, automatic recovery	27-33Vdc, automatic recovery	27-33Vdc, automatic recovery	380Vdc, automatic recovery
Environmental characteristics	Over temperature protection	Automatic recovery	hiccup mode(automatic recovery)	hiccup mode(automatic recovery)	-
	Operating temperature	-25℃~+55℃	0℃~+50℃	-40℃~+70℃	-40℃~+55℃
	Operating humidity	0%-90%RH	20%-90%RH	20%-90%RH	20%-90%RH
EMC& Safety	Safety	EN60950-1	IEC/UL60950, GB4943	IEC/UL60950, GB4943	IEC/UL60950, GB4943
	Isolation voltage	I/P-O/P: 1.5kVdc, I/P-FG: 1.05kVdc, O/P – FG:0.5kVdc, 1 minute	I/P-O/P: 1.5kVdc, I/P-FG: 1.5kVdc, O/P – FG:0.5kVdc, 1 minute	I/P-O/P: 1.5kVdc, I/P-FG: 1.5kVdc, O/P – FG:0.5kVdc, 1 minute	I/P-O/P: 2kVdc, I/P-FG: 2kVdc, O/P – FG:0.5kVdc, 1 minute
	Isolation resistance	20MΩ	10MΩ	10MΩ	10MΩ
	EMC	CE	EN55022 CLASS A	EN55022 CLASS A	-
		RE	EN55022 CLASS A	EN55022 CLASS A	-

Order information

MPN	Input voltage	Output voltage/Output current	Power	Efficiency	Physical dimensions	Operating temperature	Cooling
LDK120-48S12	36-72Vdc	12Vdc/10A	120W	90%	170*63*44mm	-25℃~+55℃	Without fan
LDK160-650T24	400-850Vdc	24Vdc/2.2A	160W	75%	270*130*55mm	0℃~+50℃	Without fan
LDK265-650M24	400-850Vdc	24Vdc/2.2A	265W	75%	306*186*54mm	-40℃~+70℃	Without fan
LDK630-650S315	400-850Vdc	315Vdc/2A	630W	85%	220*170*60mm	-40℃~+55℃	Without fan

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Industrial Power Supply (AC/DC Open Frame Series) Output: 3.3/5/12/24Vdc

Features

- Universal AC input/Full range
- High efficiency up to 94%
- Built-in active PFC function
- Low output ripple and noise
- Protections: Over load/over voltage/over temperature/short circuit
- IEC/EN/UL 60950-1
- RoHS2.0



General Specifications

Input voltage range	85~275VAC
Output voltage	3.3/5/12/24Vdc
Output power	40-450W
Protections	Over load/over voltage/over temperature/short circuit
MTBF	>50Khrs

Operating temperature	Refer to the order-information list	
Isolation voltage	I/P-O/P:3000Vac	
Safety	IEC/EN/UL 60950-1	
EMC	CE	EN55022 Class A, B
	RE	EN55022 Class A, B

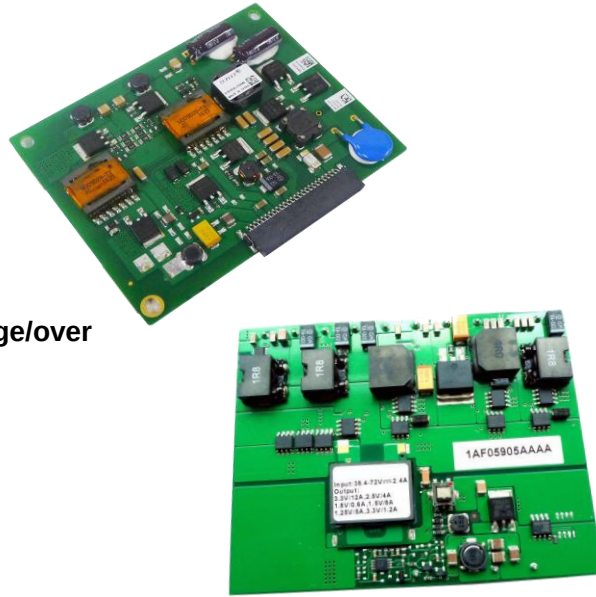
Order information

MPN	Input voltage	Output voltage/Output current	Power	Efficiency	Physical dimensions	Operating temperature
LAF30-220S5W	90-264Vac	5Vdc/6A	30W	75%	133*68*31mm	-10℃~+50℃
LAF40-220S5W	90-264Vac	5Vdc/8A	40W	84%	116*64.5*26mm	-15℃~+85℃
LAF50-220S3V3	90-265Vac	3.3Vdc/15A	50W	79%	130*80*34.5mm	-10℃~+55℃
LAF50-220S12B1	85-265Vac	12Vdc/4.5A	50W	85%	108.0*63.5*29.0mm	-30℃~+55℃
LAF75-220S12W	90-264Vac	12Vdc/6.25A	75W	88%	101.6*50.8*31mm	-40℃~+80℃
LAF100-220S12W	85-280Vac	12Vdc/8.3A	100W	88%	152*76*32mm	-40℃~+60℃
LAF150-220S12W	90-264Vac	12Vdc/12.5A	150W	91%	101.6*50.8*37.6mm	-40℃~+85℃
LAF200-220S12W	90-264Vac	12Vdc/16.7A	200W	91%	101.6*50.8*33mm	-40℃~+85℃
LAF200-220S12W-D	90-264Vac	12Vdc/16.7A	200W	91%	126*75*40mm	-40℃~+85℃
LAF200-220S12W-F	90-264Vac	12Vdc/16.7A	200W	92%	120*58*47.62mm	-40℃~+85℃
LAF200-220S24W	90-264Vac	24Vdc/8.35A	200W	93%	101.6*50.8*38.6mm	-40℃~+85℃
LAF400-220S12W	90-264Vac	12Vdc/33.4A	400W	93%	179*80*35.6mm	-40℃~+50℃
LAF450-220S12W	90-264Vac	12Vdc/37.5A	450W	92%	127*76.2*38.1mm	-40℃~+85℃
LAF450-220S24W	90-265/275Vac	24Vdc/18.75A	450W	94%	127*76.2*33.5mm	-40℃~+90℃

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Features

- High efficiency up to 90%
- Output current up to 12A
- Low output ripple and noise
- High reliability
- Protections: Over load/over voltage/over temperature/short circuit
- IEC/EN/UL 60950-1
- RoHS2.0



General Specifications

Input voltage range	10~72Vdc
Output voltage	2.4/3.3/5.1/12/18/-43/±70Vdc
Output power	12-150W
Protections	Over load/over voltage/over temperature/short circuit
MTBF	>1.1Mhrs

Operating temperature	Refer to the order-information list	
Isolation voltage	I/P-O/P: 250Vdc, 1500Vdc, 2122Vdc, 2500Vac	
Safety	IEC/EN/UL 60950-1	
EMC	CE	EN55022 Class A, B
	RE	EN55022 Class A, B

Order information

MPN	Input voltage	Output voltage/Output current	Power	Efficiency	Physical dimensions	Operating temperature
LDF12-12S2V4	10-14Vdc	2.4Vdc/5A	12W	-	50*50*15mm	-
LDF28-48T12-5V1-3V3	-38.4~-72Vdc	3.3Vdc/1A, 5.1Vdc/1.7A, 12Vdc/1.3A	28W	80%	90*70*13.8mm	0°C~+70°C
LDF75-48(60)M3V3	38.4-72Vdc	3.3Vdc/12A	75W	84%	98*76*15.20mm	-40°C~+85°C
LDF75-48M3V3	38.4-72Vdc	3.3Vdc/1.2A	75W	84%	98*76*11mm	-40°C~+85°C
LDF150-48M3V3	-75~-38Vdc	3.3Vdc/6A, -43Vdc/2A, -70Vdc/1.44A, 70Vdc/0.4A	150W	90%	90*90*15mm	-40°C~+85°C
LDF120-48S12	36-72Vdc	12Vdc/10A	120W	90%	150*50*34mm	-25°C~+55°C
LDF30-48S18	18-72Vdc	18Vdc/1.67A	30W	80%	60*60*15mm	-25°C~+55°C

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● AC-DC Enclosed Series



● DC-DC Enclosed Series



● Open Frame Series

Telecom Power Supply

Features

- Universal AC input/Full range
- High efficiency up to 92%
- Built-in active PFC function
- Low output ripple and noise
- Protections: Over load/over voltage/over temperature/short circuit
- IEC/EN/UL 60950-1
- RoHS2.0



General Specifications

Input voltage range	85~280Vac
Output voltage	5.1/12/48/-36/-50/±53/-54Vdc
Output power	60-1000W
Protections	Over load/over voltage/over temperature/short circuit
MTBF	>100Khrs

Operating temperature	Refer to the order-information list	
Isolation voltage	I/P-O/P: 3000Vac	
Safety	IEC/EN/UL 60950-1	
EMC	CE	EN55022 Class A, B
	RE	EN55022 Class A, B

Order information

MPN	Input voltage	Output voltage/Output current	Power	Efficiency	Physical dimensions	Operating temperature	Ingress protection
LAK60-220S12W-IN	90-264Vac	12Vdc/5A	60W	87%	199.5*54.5*35mm	-40℃~+85℃	-
LAK60-220S12W-OUT	90-264Vac	12Vdc/5A	60W	87%	169.5*54.5*35mm	-40℃~+85℃	-
LAKH75-220S12W	210~380Vdc(RFT-V), 85~280Vac, -38.4~72Vdc Input	12Vdc/6.25A	75W	83%	100*265*67.5mm	-40℃~+85℃	-
LAK140-220D48-12	176-264Vac	48Vdc/2.5A, 12Vdc/1.66A	140W	/	160*90*40mm	-25℃~+55℃	-
LAK150-220S12W	85-260Vac	12Vdc/12.5A	150W	86%	199*99*30mm	-40℃~+85℃	-
LAK150-220S48-B	140-264Vac	48Vdc/3A	150W	87%	210*86*45mm	0℃~+45℃	-
LAK150-220S48W	85-264Vac	48Vdc/3.2A	150W	90%	199*99*30mm	-30℃~+70℃	-
LAK200-220S48	90-280Vac	48Vdc/4A	200W	90%	255*71*40mm	-40℃~+75℃	-
LAK240-100S12	85-132Vac	12Vdc/20A	240W	84%	200*100*28mm	-40℃~+85℃	-
LAK240-220S48W	88-264Vac	48Vdc/5A	240W	89%	190*93*50mm	-30℃~+70℃	-
LAK250-220S48W	90-275Vac	48Vdc/5.2A	250W	92%	292.3*105*83mm	-40℃~+55℃	IP67
LAK270-220D12-54W	85-280Vac	12Vdc/18A, -54Vdc/1A	270W	90%	300*70*40mm	-40℃~+70℃	-
LAK390-220M12W	85~280Vac	12Vdc/18A, -36Vdc/3.4A, -53Vdc/3.4A, 53Vdc/0.5A	306.5W	85%	227.5*129.0*39.0mm	-40℃~+70℃	-
LAK420-220D48-12	176-264Vac	48Vdc/8.3A, 12Vdc/1.66A	420W	91%	200*90*40mm	0℃~+40℃	-
LAK420-220D48-12-A	150-450Vac	48Vdc/8.3A, 12Vdc/1.66A	420W	91%	200*90*40mm	-40℃~+50℃	-
LAK600-220D5-48	90-264Vac	5.1Vdc/60A, -50Vdc/6A	600W	90%	239.8*234*37.6mm	-30℃~+55℃	-
LAK700-220D12-48	90-264Vac	12Vdc/50A, -50Vdc/2A	700W	85%	239.8*234*37.6mm	-30℃~+55℃	-
LAK1000-220S48	150-285Vac	48Vdc/20.84A	1000W	90%	322*200*120mm	-40℃~+70℃	IP65

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Telecom Power Supply DC/DC Enclosed Series Output: 12Vdc, 60W, 340W

Features

- High efficiency up to 92%
- Output current 5A, 28.3A
- Low output ripple and noise
- High reliability
- Protections: Over load/over voltage/over temperature/short circuit
- IEC/EN/UL 60950-1
- RoHS2.0



General Specifications

MPN	LDK60-48S12-IN	LDK60-48S12-OUT	LDK340-48S12
Input characteristics	Input voltage range	-38~72Vdc	-38~72Vdc
	Inrush current	Cold start, 30A@-48Vdc or -72Vdc	Cold start, 30A@-48Vdc or -72Vdc
	Output voltage	12Vdc	12Vdc
Output characteristics	Line regulation	±0.5%Vo	±1 %Vo
	Load regulation	±1.5%Vo	±2 %Vo
	Output voltage precision	±5 %Vo	±2 %Vo
	Dynamic response	±5 %Vo/500µs@60% Io(max.), di/dt=0.5A/µS	±5 %Vo/1000µs@10%~90%Io (max.), di/dt=1A/µS
	Ripple and noise	120mVp-p	120mVp-p
	Capacitive load	3300 µF	8400 µF
	Output voltage rise time	100ms	200ms
	Turn-on delay time	2s	3s
	Hold-up time	10ms	-
Protection characteristics	Over load protection	6-9A, automatic recovery	110%-150%Io, automatic recovery
	Over voltage protection	13-16Vdc	13-17Vdc
	Over temperature protection	Automatic recovery	automatic recovery
Environmental characteristic	Operating temperature	-40℃~+85℃	-40℃~+85℃
	Operating humidity	10%-90%RH	15%-95%RH
EMC & Safety	Safety	-	UL/EN60950-1
	Isolation voltage	-	I/P-O/P: 1.5kVdc, I/P-FG: 1.5kVdc, 1 minute
	Isolation resistance	-	I/P-O/P, I/P-FG, O/P - FG: 100MΩ @500Vdc
	EMC	CE	EN 55022, FCC part 15 Class B
		RE	EN 55022, FCC part 15 level B

Order information

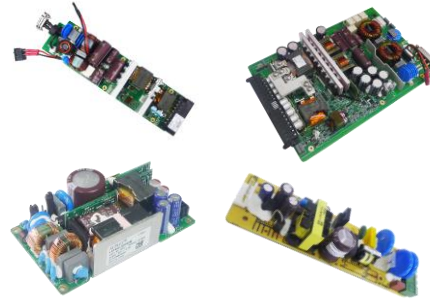
MPN	Input voltage	Output voltage/Output current	Power	Efficiency	Physical dimensions	Operating temperature
LDK60-48S12-IN	-38~72Vdc	12Vdc/5A	60W	87%	199.5*54.5*35mm	-40℃~+85℃
LDK60-48S12-OUT	-38~72Vdc	12Vdc/5A	60W	87%	169.5*54.5*35mm	-40℃~+85℃
LDK340-48S12	-36~75VDC	12Vdc/28.3A	340W	92%	207*117*30mm	-40℃~+85℃

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Telecom Power Supply Open Frame Series Output: 12Vdc , 48Vdc

Features

- Input voltage: AC input (85~300Vac), DC input (36-380Vdc)
- Output voltage: 12-48Vdc
- Output power: 10-2250W
- High efficiency up to 94%
- Output current up to 183A
- Low output ripple and noise
- Protections: Over load/over voltage/over temperature/short circuit
- IEC/EN/UL 60950-1
- RoHS2.0



Telecom Power Supply(AC/DC Open Frame Series)	
Input voltage range	85~300VAC
PFC	Built-in active PFC function
Output voltage	12/12.5/48/-48Vdc
Output power	10-1200W
Protections	Over load/over voltage/over temperature/short circuit
MTBF	>10Khrs
Operating temperature	Refer to the order-information list
Isolation voltage	I/P-O/P: 3000Vac
Safety	IEC/ N/UL 60950-1
EMC	CE EN55022 Class A, B
	RE EN55022 Class A, B

Telecom Power Supply(DC/DC Open Frame Series)		
Input voltage range	36-380Vdc	
Output voltage	5.2/12/12.3/12.5/14/47.5Vdc	
Output power	50-2250W	
Protections	Over load/over voltage/over temperature/short circuit	
MTBF	>100Khrs	
Operating temperature	Refer to the order-information list	
Isolation voltage	I/P-O/P: 1500Vdc	
Safety	IEC/EN/UL 60950-1	
EMC	CE	EN55022 Class A, B
	RE	EN55022 Class A, B

Order information

MPN	Input voltage	Output voltage/Output current	Power	Efficiency	Physical dimensions	Operating temperature
AC/DC Series						
LAF10-220S12W	95-286Vac	12Vdc/0.83A	10W	80%	140.0*40.0*34.6mm	-40℃~+70℃
LAF20-220S48W	85-265Vac	48Vdc/0.42A	20W	80%	103*58.5*29mm	-30℃~+85℃
LAF24-220S12W	95-286Vac	12Vdc/2A	24W	80%	140*40*30mm	-40℃~+70℃
LAF50-220S48B1-C	85-265Vac	48Vdc/1A	48W	80%	108*63.5*29.2mm	-30℃~+55℃
LAF50-220S12W	85-264Vac	12Vdc/4.2A	50W	90%	101.6*50.8*24mm	-40℃~+80℃
LAF150-220S48	85-264Vac	48Vdc/3A	150W	85%	189.5*94*30mm	-20℃~+50℃
LAF160-220S48W-B	90-264Vac	48Vdc/3.33A	160W	91%	101.6*44.5*38.6mm	-40℃~+85℃
LAF200-220S48W	90-264Vac	48Vdc/4.15A	200W	93%	101.6*50.8*38.6mm	-40℃~+85℃
LAF450-220S48W	90-265/275Vac	48Vdc/9.375A	450W	94%	127*76.2*33.5mm	-40℃~+90℃
LAF480-220S12	140-300Vac	12.5Vdc/45A	480W	85%	246*68.5*54mm	-20℃~+70℃
LAF800-220D12-48	180-260Vac	12Vdc/41.66A, -48Vdc/6.25A	800W	75%	282.0*165.0*47mm	-25℃~+55℃
LAF1200-220S48	180-260Vac	-48Vdc/25A	1200W	90%	282.0*165.0*47mm	-25℃~+55℃
DC/DC Series						
LDF50-190S12	210-380Vdc	12Vdc/4.1A	50W	80%	110*80*40mm	-40℃~+85℃
LDF420-48S12	-36~-72Vdc	12Vdc/35A	420W	91%	285*96.5*36mm	-10℃~+80℃
LDF480-48S12	36~60Vdc	12.5Vdc/40A	480W	92%	258.0*68.5*23.5mm	-20℃~+70℃
LDF500-48T5V2-14-48	40.5-60Vdc	5.2Vdc/15A, 14Vdc/3A, 47.5Vdc/8A	500W	94%	266.0*78.0*35.6mm	-40℃~+90℃
LDF850-48S12	36-60Vdc	12.5Vdc/68A	850W	92%	255.6*68.5*45.8mm	-20℃~+75℃
LDF2250-48S12	36-60Vdc	12.3Vdc/183A	2250W	93%	327.7*181*33mm	-20℃~+70℃

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● AC-DC Enclosed Series



● DC-DC Enclosed Series



● Open Frame Series

Base Station Power Supply

Features

- Universal AC input/Full range
- High efficiency up to 92%
- Built-in active PFC function
- Low output ripple and noise
- Protections: Over load/over voltage/over temperature/short circuit
- IEC/EN/UL 60950-1
- RoHS2.0
- Natural cooling



General Specifications

Input voltage range	76~300Vac
Output voltage	26/28/32/54/56Vdc
Output power	30-650-240W
Protections	Over load/over voltage/over temperature/short circuit
MTBF	>100Khrs

Operating temperature		Refer to the order-information list
Isolation voltage		I/P-O/P: 3000Vac
Safety		IEC/EN/UL 60950-1
EMC	CE	Class A, B
	RE	Class A, B

Order information

MPN	Input voltage	Output voltage/Output current	Power	Efficiency	Physical dimensions	Operating temperature	Ingress protection
LAK30-220D28-5V3W	90-264Vac	28Vdc/0.65A, 5.3Vdc/2A	30W	85%	164*50*34.5mm	-25℃~+85℃	-
LAK65-220S56W	90-264Vac	56Vdc/1.2A	67.2W	88%	101*58.2*35mm	-40℃~+85℃	-
LAK152-220D32-5V6	140-285Vac	32Vdc/3A, 5.6Vdc/10A	152W	88%	164*97*27mm	-40℃~+90℃	IP20
LAK160-220S54W	76-276Vac	-54Vdc/3A	160W	90%	295*55*25mm	-40℃~+55℃	IP65
LAK180-220T28-12-5	140-300Vac	28Vdc/4A, 12Vdc/4A, 5Vdc/4A	180W	88%	240*102*40mm	-40℃~+75℃	-
LAK200-220S28W	90-264Vac	28Vdc/7.2A	200W	93%	121.6*59.8*42mm	-40℃~+85℃	-
LAK210-220S54W	76-288Vac	-54Vdc/3.9A	210W	90%	295*75*25mm	-40℃~+55℃	IP65
LAK280-220S28	140-300Vac	28Vdc/10A	280W	90%	249.5*71*40mm	-40℃~+90℃	-
LAK280-220S32	140~300Vac	32Vdc/8.8A	280W	91%	255.0*71.0*40.0mm	-40℃~+90℃	-
LAK300-220M28	140-300Vac	28Vdc/10A, 5.5Vdc/6A, 5Vdc/14A	300W	80%	240.0*102.0*40mm	-40℃~+75℃	-
LAK300-220D32-5V6	140-285Vac	32Vdc/5A, 5.6Vdc/25A	300W	92%	144*130*40mm	-40℃~+95℃	IP20
LAK350-220S26W	90-264Vac	26Vdc/13.5A	350W	90%	210*86*41.5mm	-40℃~+60℃	-
LAK450-220S28W	90-264Vac	28Vdc/16A	450W	93%	170*82*40mm	-40℃~+50℃	-
LAK500-220D26-48W	90-264Vac	26Vdc/13.5A, 48Vdc/3A	500W	92%	210*111*41.5mm	-40℃~+60℃	-
LAK582-220D28-5V6W	90-285Vac	28Vdc/16.5A, 5.6Vdc/21.5A	582W	90%	239.8*234*37.6mm	-40℃~+55℃	IP55
LAK650-220S32	140-290Vac	32Vdc/20A	650W	92%	183.5*168*43.9mm	-40℃~+85℃	-

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Features

- High efficiency up to 92%
- Output current up to 50A
- Low output ripple and noise
- High reliability
- Protections: Over load/over voltage/over temperature/short circuit
- IEC/EN/UL 60950-1
- RoHS2.0
- Natural cooling



General Specifications

MPN	LDK1800-48S30	LDK650-48S32
Input characteristics	Input voltage range 42-60Vdc	28-68Vdc
	Inrush current 60A	20A
Output characteristics	Output voltage 29-31Vdc	32Vdc
	Line regulation -	-
	Load regulation ±5%Vo	±1%Vo
	Output voltage precision ±5%Vo	±2%Vo
	Dynamic response 5%Vo/200μS@ 50%-25%-50%, 50%-75%-50% Io, 0.1A/μs	±2%Vo/200ms@5%~80%Io, di/dt=2.5A/s
	Ripple and noise 200mVp-p	200mV@-40℃~-10℃
	Capacitive load 2200μF	3000μF
	Output voltage rise time 300ms	-
Protection characteristics	Over load protection 54-62A, automatic recovery	-
	Over voltage protection 32-35Vdc, automatic recovery	36-40Vdc, automatic recovery
	Over temperature protection Automatic recovery	>100℃
Environmental characteristic	Operating temperature -40℃~+75℃	-40℃~+95℃
	Operating humidity 10%-95%RH	5%-95%RH
EMC&Safety	Safety GB 4943-2001	IEC/EN/UL60950, GB4943
	Isolation voltage I/P-O/P: 1.5kVdc, I/P-FG: 1.5kVdc, O/P – FG:0.7kVdc, 1 minute	I/P-O/P: 1.5kVdc, I/P-FG: 1.5kVdc, O/P – FG:0.5kVdc, 1 minute
	Isolation resistance 10MΩ	10MΩ
	EMC CE FCC, EN 55022, CISPR22, level A	EN55022 CLASS B +5dB(margin>5dB)
	RE -	EN55022 CLASSB

Order information

MPN	Input voltage	Output voltage/Output current	Power	Efficiency	Physical dimensions	Operating temperature
LDK1800-48S30	42-60Vdc	30Vdc/50A	1500W	90%	348.5*107.6*41.5mm	-40℃~+75℃
LDK650-48S32	28-68Vdc	32Vdc/20A	650W	92%	183.5*168*43.9mm	-40℃~+95℃

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Power Supply for Base Station Open Frame Series Output: 73W-1248W

Features

- Input voltage: AC input(90~264Vac),DC input(12-68Vdc)
- Output voltage:12-55Vdc
- Output power: 73-1248W
- High efficiency up to 94%
- Output current up to 40A
- Low output ripple and noise
- Protections: Over load/over voltage/over temperature/short circuit
- IEC/EN/UL 60950-1
- RoHS2.0



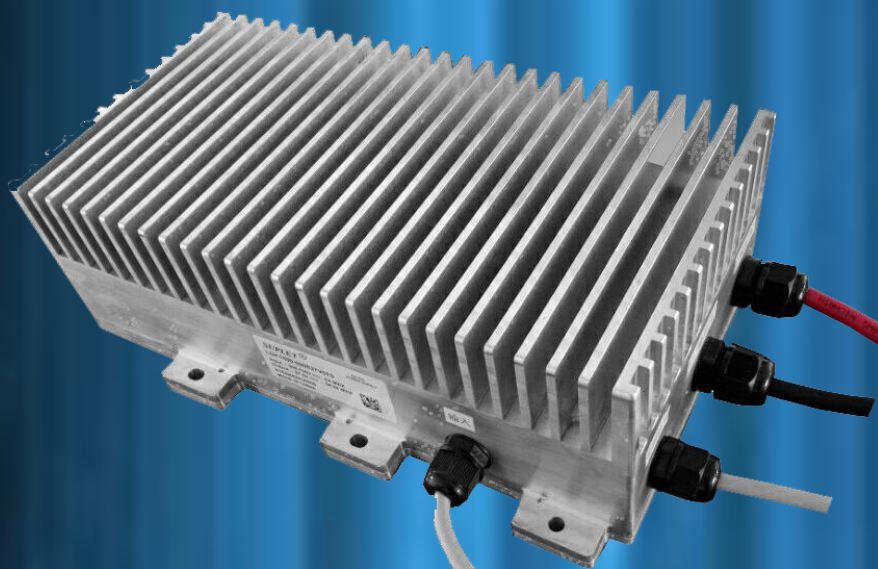
Power Supply for Base Station (AC/DC Open Frame Series)		
Input voltage range	90~264Vac	
PFC	Built-in active PFC function	
Output voltage	12/26/28/50/53/54Vdc	
Output power	180-400W	
Protections	Over load/over voltage/over temperature/short circuit	
MTBF	>30Khrs	
Operating temperature	Refer to the order-information list	
Isolation voltage	I/P-O/P: 3000Vac	
Safety	IEC/EN/UL 60950-1	
EMC	CE	EN55022 Class A, B
	RE	EN55022 Class A, B

Power Supply for Base Station (DC/DC Open Frame Series)		
Input voltage range	12-68Vdc	
Output voltage	28/30/32/36/55Vdc	
Output power	73-1200W	
Protections	Over load/over voltage/over temperature/short circuit	
MTBF	>100Khrs	
Operating temperature	Refer to the order-information list	
Isolation voltage	I/P-O/P: 1500Vdc	
Safety	IEC/EN/UL 60950-1	
EMC	CE	EN55022 Class A, B
	RE	EN55022 Class A, B

Order information

MPN	Input voltaa	Output voltage/Output current	Power	Efficie ncy	Physical dimensions	Operating temperature
AC-DC Series						
LAF180-220S54W	90-264Vac	54Vdc/3.3A	180W	89%	145*55.3mm	-40℃~+55℃
LAF240-220D50-12	90-264Vac	50Vdc/4A, 12Vdc/3.25A	240W	85%	240*120*40mm	-40℃~+75℃
LAF350-220S26W-A	90-264Vac	26Vdc/13.5A	350W	90%	127*76.2*33.5mm	-40℃~+60℃
LAF400-220S28W-B	90-264Vac	28Vdc/14.3A	400W	94%	160*80*35mm	-40℃~+85℃
LAF400-220S51	90-264Vac	53Vdc/7.6A	400W	85%	250*120*33mm	-10℃~+45℃
DC-DC Series						
LDF73-12T80-58-36	12Vdc+/-10%	-36Vdc/0.7A, -58Vdc/0.7A,80Vdc/0.25A	73W	75%	81*47*17mm	-40℃~90℃
LDF73-12T80-58-32	12Vdc+/-10%	-32Vdc/0.7A, -58Vdc/0.7A, 80Vdc/0.25A	73W	75%	81*47*17mm	-40℃~85℃
LDF242-48S55W	30-58Vdc	-55Vdc/4.4A	242W	90%	160*84*37mm	-40℃~80℃
LDF600-48D32-5V6	36-68Vdc	32Vdc/16A, 5.6Vdc/15A	600W	92%	144*130*26mm	-40℃~95℃
LDF960-48S32	36-68Vdc	32Vdc/30A	960W	92%	168*140*28mm	-40℃~95℃
LDF1080-48T48-28-5V6	36-68Vdc	28Vdc/5A, 48Vdc/17A,5.6Vdc/22A	1080W	94%	286.5*112*28mm	-40℃~95℃
LDF1200-48S30	36-68Vdc	30Vdc/40A	1200W	92%	229*147*36mm	-40℃~95℃
LDF1248-48D32-5V6	36-68Vdc	30Vdc/36A, 5.6Vdc/30A	1248W	92%	286.5*122*28mm	-40℃~95℃

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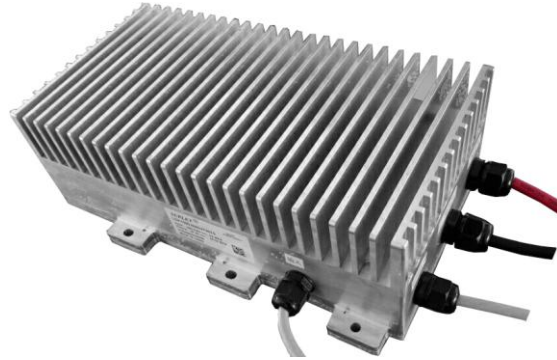
Dedicated Power Supply

Dedicated Power Supply

Output: 12W-1500W

Features

- Input voltage: AC input (85~380Vac), DC input (-38.4~700Vdc)
- Output voltage :5-48Vdc
- Output power: 12-1500W
- High efficiency up to 95%
- Output current up to 54.5A
- Low output ripple and noise
- Protections: Over load/over voltage/over temperature/short circuit
- IEC/EN/UL 60950-1
- RoHS2.0



Dedicated Power Supply (AC/DC Enclosed Series)		
Input voltage range	85~380Vac	
PFC	Built-in active PFC function	
Output voltage	5/5.3/12/22/24/26/28/48Vdc	
Output power	100-553W	
Protections	Over load/over voltage/over temperature/short circuit	
MTBF	>100Khrs	
Operating temperature	Refer to the order-information list	
Isolation voltage	I/P-O/P: 3000Vac	
Safety	IEC/EN/UL 60950-1	
EMC	CE	EN55022 Class A, B
	RE	EN55022 Class A, B

Dedicated Power Supply (DC/DC Enclosed & Open Frame Series)		
Input voltage range	-38.4~700Vdc	
Output voltage	5.8/12/27.5Vdc	
Output power	12-1500W	
Protections	Over load/over voltage/over temperature/short circuit	
MTBF	>150Khrs	
Operating temperature	Refer to the order-information list	
Isolation voltage	Enclosed series: I/P-O/P: 2500Vdc; Open frame series: I/P-O/P: 250Vdc	
Safety	EN 60950-1	
EMC	CE	Enclosed series: GB/T 18655-2010 Class 3, Open frame series: EN 55022 Class A
	RE	Open frame series: GB/T 18655-2010 Class 3, Open frame series: EN55022 Class B

Order information

MPN	Input voltage	Output voltage/Output current	Power	Efficiency	Physical dimensions	Operating temperature	Cooling	Ingress protection
Dedicated Power Supply (AC/DC Enclosed Series)								
LAK100-220T5V3-26-48W	86-276Vac	5.3Vdc/10A, 26Vdc/1.7A, 48Vdc/0.032A	100W	86%	165*60.4*30.5mm	-40℃~+85℃	Without fan	-
LAK150-220S5V3W	85-270Vac	5.3Vdc/28.3A	150W	-	137.2*76*39.5mm	-40℃~+85℃	Without fan	-
LHK151-S28	100-240Vac; 48V-380Vdc	28Vdc/5.36A	151W	87%	220*76*39mm	-40℃~+80℃	Without fan	-
LAK160-220D22-5V5W	85-286Vac	22Vdc/2.9A, 5.5Vdc/18A	160W	90%	170*88.7*29.4mm	-40℃~+85℃	Without fan	-
LHK553-220M24	100-240Vac	24Vdc/17A, 12Vdc/10A, 5Vdc/5A, 220Vac/1.1A	553W	88%	391*130*61mm	-20℃~+55℃	-	-
Dedicated Power Supply (DC/DC Enclosed Series)								
LDK1500-500S27V5TS	300-700Vdc	27.5Vdc/54.5A	1500W	95%	345*156*100mm	-40℃~+65℃	Without fan	IP65
Dedicated Power Supply (DC/DC Open Frame Series)								
LD12-48D5V8-12	-38.4~-72Vdc	5.8Vdc/0.8A, 12Vdc/0.6A	12W	70%	80.0*50.0*18.5mm	0℃~+70℃	Without fan	-

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Adapter

Adapter

Output: 5/12/19/36/-48Vdc

Features

- Universal AC input/Full range
- High efficiency up to 88%
- Output current up to 9A
- Low output ripple and noise
- High reliability
- Protections: Over load/over voltage/over temperature/short circuit
- IEC/EN/UL 60950-1
- RoHS2.0



General Specifications

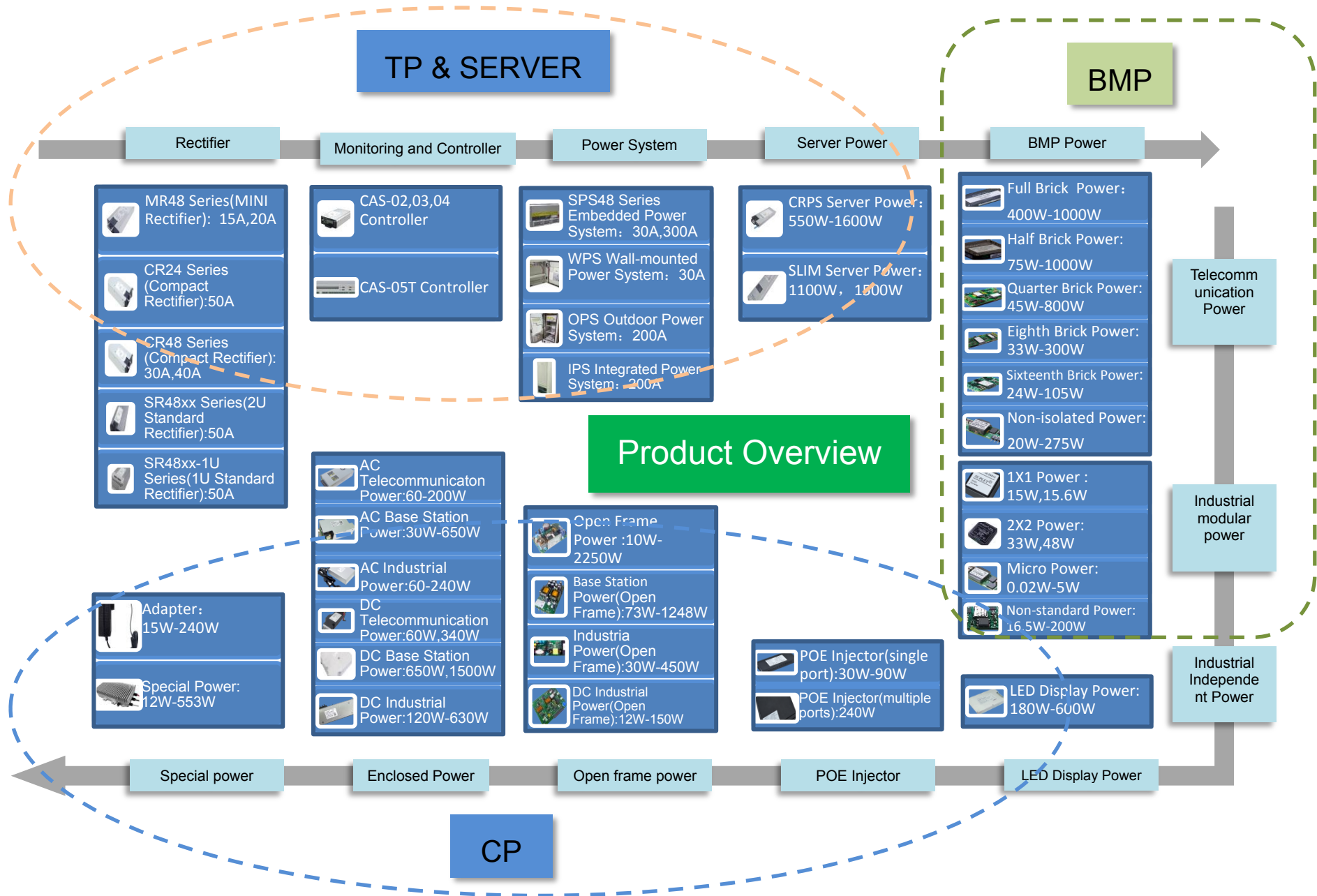
	MPN	LAS15-H12CN-PJ-D	LAS24-H12CN-PJ-D	LAS240-19-12-5CN-FK-D	LAS60-220S36W	LAS75-220S48D
Input characteristics	Input voltage range	90-264Vac	90-264Vac	210-240Vac	90-264Vac	165-265Vac
	Inrush current	50A@264Vac input	50A@full load, 264Vac input, cold start	40A@冷启动, 25℃	50A@230Vac	-
Output characteristics	Output voltage	12Vdc	12Vdc	5/12/19Vdc	36Vdc	-48Vdc
	Output current	1.2A	2A	2/4/9A	1.67A	1.5A
	Line regulation	±0.5%Vo	±3%Vo	±1%Vo	-	±1%Vo
	Load regulation	±5%Vo	±5%Vo	±5%Vo	±5%Vo	±1%Vo
	Output voltage precision	-	±5%Vo	±5%Vo	-	±1%Vo
	Capacitive load	1500μF	1000μF	-	-	-
	Dynamic response	10.8-13.2Vdc@25%-80% lo, di/dt=0.5A/μS	±2%Vo/0.5ms@20%-80% lo, di/dt=0.5A/μS	±5%Vo/500μs @25%-50%-25% or 50%-75%-50%lo, di/dt=0.5A/μS	-	±5%Vo/1.5ms
	Ripple and noise	150mVp-p	240mVp-p	200mV	300mVp-p	150mVp-p
	Turn-on delay time	3s	5s	-	-	-
	Hold-on time	10ms	20ms	-	-	-
Protection characteristics	Rise time	60ms	100ms	-	-	-
	Over load protection	1.6-5.0A, automatic recovery	2.2-3.6A, automatic recovery	19Vo: 18A(typ.) 12Vo: 8A(typ.) 5Vo: 2.2A(min.)	2.3A(min.)	2-3A, automatic recovery
Environmental characteristics	Short circuit protection	automatic recovery	automatic recovery	automatic recovery	automatic recovery	automatic recovery
	Operating temperature	0℃~40℃	0℃~40℃	-10℃~50℃	-45℃~+70℃	-25℃~+55℃
EMC& Safety	Operating humidity	10%-90%RH	10%-90%RH	10%-95%RH	20%-85%RH	10%-90%RH
	Safety	IEC/EN/UL 60950-1, GB4943	-	GB4943, CCC	UL60950-1, GB4943	IEC/EN/UL 60950-1, GB4943
EMC& Safety	Isolation voltage	I/P-O/P: 3kVac, 1 minute	-	I/P-O/P: 3kVac, I/P-FG: 1.5kVac O/P-FG: 0.5kVac 1 minute	I/P-O/P: 4kVac, I/P-FG: 1.5kVac O/P-FG: 0.5kVac	I/P-O/P: 3kVac, I/P-FG: 1.5kVac O/P-FG: 0.5kVac 1 minute
	Isolation resistance	100MΩ	-	10MΩ	-	100MΩ
	EMC	GB9254-1998; GB17625.1-2003, EN 55022 Class B, EN 61000-4-2,3,4,5,6	EN55022 Class B, IEC 61000-4-2,3,4,5,6	EN55022 Class A, EN61000-4-3,6, IEC61000-4-2,4,5	EN 55022 Class B, IEC 61000-4-2,4,5	-

Order information

MPN	Input voltage	Output voltage/Output current	Power	Efficiency	Physical dimensions
LAS15-H12CN-PJ-D	90-264Vac	12Vdc/1.2A	15W	75%	75*40.5*40mm
LAS24-H12CN-PJ-D	90-264Vac	12Vdc/2A	24W	78%	100*50.6*39.2mm
LAS240-19-12-5CN-FK-D	210-240Vac	19Vdc/9A, 12Vdc/4A, 5Vdc/2A	240W	85%	251*96*47mm
LAS60-220S36W	90-264Vac, 122-370Vdc	36Vdc/1.67A	60W	88%	109*58.5*30mm
LAS75-220S48D	165-265Vac	-48Vdc/1.5A	72W	88%	157*82*38mm

Note: All information contained in this datasheet is subject to change without notice, please visit our official website www.suplet.com for the latest information and refer to the user manual for more details.





Naming Rules for Suplet Standard Products (Basic Version.2019V2)

1	Typical Power	L	D	F	(H)	450	-48	S	28	(CGSZ3)
		Sulet Power	A:AC/DC Series D:DC/DC Series C/H:Hybrid AC/DC	A/B/C:Copper or aluminium case E:Non-isolated SIP or SMT F:Open frame G/M:Aluminum baseplate K:Enclosed Type O:Compatible with Micro Power S:Adapter with output cable and socket-type input terminal	F:Full Brick H:Half Brick Q:Quarter Brick E:Eighth Brick S:Sixteenth Brick	Power(W)	Input Voltage(V) -48=48Vdc	Types of output S:Single output D:Dual output T:Three outputs M:Multiple outputs	Output Voltage(V)	Additonal notes: C: With heatsink(The default is witout heatsink) P: Negative remote control(The default is Positive) S: Positive TRIM logic(The default is negative) G: High efficiency W: Wide input voltage Z1/Z2/Z3/Z4/Z5 stands for different pin length
2	Small Modular Power-Single Output	A	B	E	40	N	48	P	5	(BHG)
		A: Open frame with heatsink B: Open frame without heatsink D: Glue-injecting Encapsulation	A: Non-isoalted, wide input voltage& adjustable output voltage B: I/O isolated	E:Eighth Brick S:Sixteenth Brick A/B/C/G/I/J/K/M/X: Standard footprints defined by other companies	Output Current(A)	Remote Control P:Positive logic N:Negative logic U:Without remote control	Input Voltage(V) -48: 48Vdc	output voltage trim logic P:Positive Logic N:Negative Logic U:Without Trim function	Output Voltage(V)	H:Through-hole S:SMT G:RoHS6 E:RoHS5 A/B/C/D/E/F:Different pin length
3	Rectifier	S	R	48		50		(H)	(-1U)	(-RB)
		C:Compact Rectifier M:Mini Rectifier S:Standard Rectifier	Rectifier	Nominal Output Voltage(V)		Output Current(A)		Efficiency Default: Typical Efficiency M: Middle Efficiency H:High Efficiency	Height of SR series standard rectifier, -1U: 1U height Default: 2U height	Additional items: RB:Rear Backboard
4	Monitoring and Controller	CAS			-05				(T)	
		Control And Supervision			02: RS232/485/LAN, 03: RS232/485 04: RS232/485, DIO optional, 05:RS232/485/LAN, DIO optional				Additional items(Optional)	
5	Power System	S	PS		60	-48	(B)	(CR4830)		
		S:Embedded Power System W:Wall-Mounted Power System O:Outdoor Cabinet Power System I:Integrated Power System	PS:PowerSystem RS:Rectifier-system(Without controller)		Output Current(A)	Nominal Output Voltage(V) -48=48Vdc -24=24Vdc	Additional items(Optional)	The rectifier used in the power system		
6	Server Power Supply	SAC	1600	-220	D	12	-12	(-054)		(-AA)
		SAC:AC+(DC) input SDC:DC input	Power(W)	Input Voltage(Vac) Vac -220: 220Vac	Types of output: D:Dual output	Main output voltage(Vdc)	Standby output voltage(Vdc) -12=12Vdc (-3V3=3.3Vdc)	Server Powre Supply Code The default is Intel CRPS Standard (-054:facebook SLIM 054 standard)		Additional items: AA- Ahead Aircooling RA- Rear Aircooling



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