19”- Power Supplies PK-Series

PK30
PK60
PK60-R
PK120
PK125
PK250

pk30
pk60
pk60-r
pk120
pk125
pk250
pk30
pk60
pk60-r
pk120
pk125
pk250

AC-DC

PK-Series: MONOVOLT

Primary switched mode power supplies for use in 19" subracks to DIN41494, 30 to 240 Watt output power.

Features

- Compact, rugged design
- high regulation accuracy
- Safety to approvals UL, cUL and EN60950
- CE marked for compliance to EMC and Low Voltage Directives
- SENSE operation
- Overvoltage protection (OVP)
- Powerfail signal
- Remote On/Off
- Short circuit and no load protected
- Coded H15 connector
- Standardized pinning

PK-Series MONOVOLT Power Supplies

Ordering information

Description:

PK Series Power Supplies 30W Output power			Order-Code
Type	Output	without Powerfail	with Powerfail
PK30 3Ux8HP	5V/6A	**116-010016D***	-
PK30 3Ux8HP	12-15V/2A	**116-010215H**	-
PK30 3Ux8HP	24V/1,5A	**116-010216E**	-
Description: PK Series; 60Watt Output power			
PK60 3Ux8HP	3,3V/15A	**116-010196L**	-
PK60 3Ux8HP	5V/12A	**116-010063D***	**116-010074H***
PK60 3Ux8HP	12V/5A	**116-010064A***	-
PK60 3Ux8HP	15V/4A	**116-010065J***	-
PK60 3Ux8HP	24V/2,5A	**116-010066F***	**116-010077K***
PK60-R 3Ux8HP	5V/12A	**116-010128L#**	-
PK60-R 3Ux8HP	12V/5A	**116-010219G#**	-
PK60-R 3Ux8HP	15V/4A	**116-010220H#**	-
PK60-R 3Ux8HP	24V/2,5A	**116-010129H#**	-
Description: PK Series; 120Watt Output power			
PK120 3Ux14HP	5V/20A	**116-010069H**	**116-010081B**
PK120 3Ux14HP	12V/10A	**116-010070J**	**116-010082K**
PK120 3Ux14HP	15V/8A	**116-010071F**	-
PK120 3Ux14HP	24V/5A	**116-010072C**	**116-010084D**
Description: PK Series; 240Watt Output power			
PK240 3Ux24HP	5V/45A	-	**116-010163K**
PK240 6Ux14HP	5V/45A	-	**116-010125J**
PK240 3Ux24HP	12V/20A	-	**116-010164G**
PK240 6Ux14HP	12V/20A	-	**116-010126F**
PK240 3Ux24HP	24V/10A	-	**116-010165D**
PK240 6Ux14HP	24V/10A	-	**116-010127C**

Accessories:	
Reduced height front panel: PK30	**148-010012F**
Reduced height front panel: PK60	**148-010021E**
Reduced height front panel: PK120	**148-010019G**
Mating connector coded H15 to DIN 41612	**017-010115K**
Coding keys (pkt10)	**017-010064F**
Mating connector coded DIN 41612, H15+2HA/L Faston	**017-010138K**

For applications ruled under EN 61000-3-2, we recommend the use of the **VP80** series.

Technical Data PK Series: Monovolt

Input specification	
Input voltage (switchable):	115/230VAC
Input frequency:	47-63Hz
Inrush surge current limitation:	by NTC resistor m20A (cold start)
Input overvoltage protection:	by VDR
Hold up time (Nominal V_{IN}; 100% I_{OUT}):	>20ms
Efficiency:	typ. >80%

Safety (Compliant with Low Voltage Directive 73/23/EEC)	
Certified to, or meets the reqirement of:	EN60950, UL1950

EMC (Compliant with EMC Directive 89/336/EEC)	
Emmisions:	EN 55022/B (0,15-30Mhz); EN 55022/B (30-1000MHz)
Immunity:	EN 50082-2
Electro Static Discharge:	EN 61000-4-2
Electrical fast transients/Burst:	EN 61000-4-4
RF Conducted disturbance:	EN 50141
RF Field susceptibility:	EN 50140

Environmental	
Operating temperature:	0°C to +70°C
Storage temperature:	-25°C to +85°C
Relative humidity:	Non-condensing 5% - 95%

Physical	
Case material/finish:	Clear anodised, ventilated aluminium cassette with cooling cutouts and front or rear heat sinks as required. DIN 41494 part 5 compatible

* EN60950 and UL certified
\# EN60950 and cUL certified

PK Series: MONOVOLT

Output specification

PK30	V1	V1	V1
Output voltage:	**5V**	**12V**	**24V**
Output adjustment range:	4,8-5,5V	12-15V	22-26V
Output current:	**0-6A**	**0-2,5A**	**0-1,5A**
Ripple:	<40mV$_{PP}$	<20mV$_{PP}$	<20mV$_{PP}$
Line regulation (100% I_{OUT}): Δ iV_{OUT}	<0,2%	<0,02%	<0,02%
Load regulation static (10...90% I_{OUT}): Δ iV_{OUT}	<0,2%	<0,5%	<0,5%
Transient response (10...90% I_{OUT}):	1ms		
Switching frequency, converter type:	20-50kHz fly back converter		
Current limit:	>6,5A	>2,6A	>1,5A
Short circuit protection:	continuous, automatic restart		
Overvoltage protection (OVP):	6-6,7V	-	-
Powerfail-Signal (at full load) >6ms before V_{OUT}:	-		-
Temperature-coefficient/°C:	0,02%		
Voltage compensation with SENSE max. NOTE 1:	0,5V		
Derating:	1W/°C above 55°C		

PK60	V1	V1	V1	V1	V1
Output voltage:	**3,3V**	**5V**	**12V**	**15V**	**24V**
Output adjustment range:	1,8-3,5V	4,5-5,5V	11-13V	13,5-16,5V	22-26V
Output current:	**0-15A**	**0-12A**	**0-5A**	**0-4A**	**0-2,5A**
Ripple:	<40mV$_{PP}$				
Line regulation (100% I_{OUT}): Δ iV_{OUT}	<0,3%	<0,3%	<0,2%	<0,2%	<0,2%
Load regulation static (10...90% I_{OUT}): Δ iV_{OUT}	<0,2%				
Transient response (10...90% I_{OUT}):	1ms	0,8ms	0,5ms	0,5ms	0,5ms
Switching frequency, converter type:	100kHz forward converter				
Current limit:	>15,5A	>12,5A	>5,3A	>4,3A	>2,7A
Short circuit protection:	continuous, automatic restart				
Overvoltage protection (OVP):	2,8-5,0V	5,5-6,0V	13,2-15,0V	16,5-18,0V	26,4-30,0V
Powerfail-Signal (at full load) >6ms before V_{OUT}:	-		-		
Temperature-coefficient/°C:	0,02%				
Voltage compensation with SENSE max. NOTE 1:	0,5V				
Derating:	1,6W/°C above 45°C				

PK60-Redundant	V1	V1	V1	V1
Output voltage: (fixed):	**5V±1%**	**12V±1%**	**15V±1%**	**24V±1%**
Output current:	**0-12A**	**0-5A**	**0-4A**	**0-2,5A**
Ripple:	<40mV$_{PP}$			
Line regulation (100% I_{OUT}): Δ iV_{OUT}	<0,2%			
Load regulation static (10...90% I_{OUT}): Δ iV_{OUT}	<0,2%			
Transient response (10...90% I_{OUT}):	1ms			
Switching frequency, converter type:	100kHz forward converter			
Current limit:	>12,5A	>5,3A	>4,3A	>2,7A
Short circuit protection:	continuous, automatic restart			
Overvoltage protection (OVP):	6,0-6,7V	13,2-15,0V	16,5-18,0V	27,0-29,0V
Temperature-coefficient/°C:	0,02%			
Current sharing at redundant use with ASF signal:	>2,4A	>1,0A	>0,8A	>0,5A
Voltage compensation with SENSE max. NOTE 1:	0,5V			
DC-FAIL signal:	Active low when unit fails (NPN-open collector signal; 20mA; l0,4A)			
Derating:	2W/°C above 55°C			

PK Series: MONOVOLT

Output specification

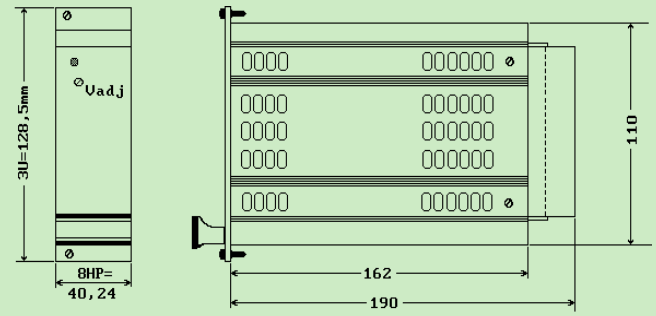
PK120	V1	V1	V1	V1
Output voltage:	**5V**	**12V**	**15V**	**24V**
Output adjustment range:	4,5-5,5V	10,8-13,2V	13,5-16,5V	21,6-26,4V
Output current:	**0-20A**	**0-10A**	**0-8A**	**0-5A**
Ripple:	>40mV$_{PP}$			
Line regulation (100% I_{OUT}): Δ iV_{OUT}	>0,2%			
Load regulation static (10...90% I_{OUT}): Δ iV_{OUT}	>0,2%			
Transient response (10...90% I_{OUT}):	0,5ms			
Switching frequency, converter type:	100kHz forward converter			
Current limit:	>22A	>11A	>8,8A	>5,5A
Short circuit protection:	continuous, automatic restart			
Overvoltage protection (OVP):	5,0-7,0V	12,0-16,5V	15,0-21,0V	27,0-29,0V
Powerfail-Signal (at full load) >6ms before V_{OUT}:	>4,8V	>11,5V	>14,4V	>23,0V
Temperature-coefficient/°C:	0,02%			
Voltage compensation with SENSE max. NOTE 1:	0,5V			
Derating:	2,4W/°C above 55°C			

PK240	V1	V1	V1
Output voltage:	**5V**	**12V**	**24V**
Output adjustment range:	4,5-5,5V	11-13V	22-26V
Output current:	**0-45A**	**0-20A**	**0-10A**
Ripple:	>40mV$_{PP}$		
Line regulation (100% I_{OUT}): Δ iV_{OUT}	>0,2%	>0,35%	>0,5%
Load regulation static (10...90% I_{OUT}): Δ iV_{OUT}	>0,2%		
Transient response (10...90% I_{OUT}):	0,5ms		
Switching frequency, converter type:	45kHz push-pull converter		
Current limit:	>46A	>22A	>12A
Short circuit protection:	continuous, automatic restart		
Overvoltage protection (OVP):	5,5-6,5V	14,0-18,0V	26,4-30,0V
Powerfail-Signal (at full load) >6ms before V_{OUT}:	>4,8V	>11,5V	>23V
Temperature-coefficient/°C:	0,02%		
Voltage compensation with SENSE max. NOTE 1:	0,5V		
Derating:	3HE: 8W/°C above 55°C, 6HE: 4W/°C above 55°C		

PK Series: MONOVOLT

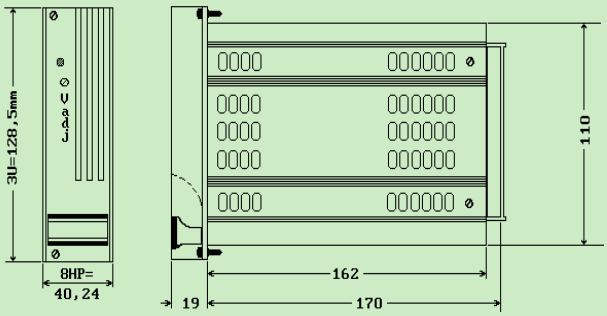
Mechanical details

PK30, PK60

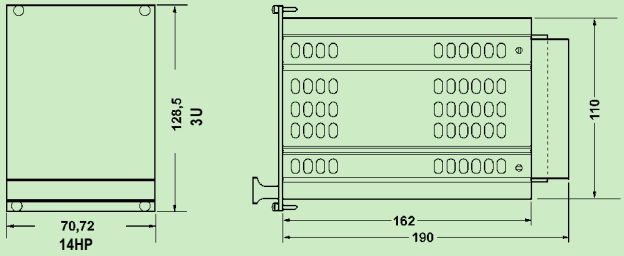


Weight: PK30, PK60, PK60R 850g

PK 60-R

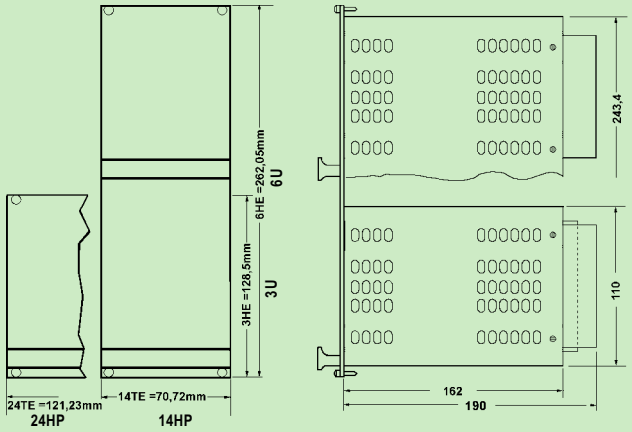


PK120



Weight: PK120 1350g

PK240



Weight: PK240 2200g

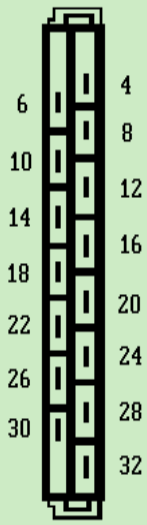
Connector pin allocation H15-Connector

PIN	Function *PK30*	Function *PK60*	Function *PK60-R*	Function *PK120*
4	+Vout	+Vout	+Vout	+Vout
6	+Vout	+Vout	+Vout	+Vout
8	-Vout	-Vout	-Vout	-Vout
10	-Vout	-Vout	-Vout	-Vout
12 Anm. 1	+SENSE	+SENSE	+SENSE	+SENSE
14 Anm. 1	-SENSE	-SENSE	-SENSE	-SENSE
16	——	Ext I/O+	——	Ext I/O+
18	——	PF Q	DC FAIL	PF Q
20	——	——	ASF	——
22	——	PF Q	——	PF Q
24	——	Ext I/O-	——	Ext I/O-
26	——	——	——	——
28	N	N	N	N
30	L	L	L	L
32	E	E	E	E

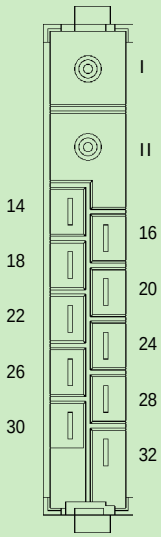
Connector pin allocation H15+2HA-Connector

PIN	Function *PK240*
I	+Vout
II	-Vout
14 Note. 1	+SENSE
16 Note. 1	-SENSE
22	Ext. on/off
24	PF Q
28	N
30	L
32	E

H15-connector



H15+2HA-Connector



Note1: Sense lines must be connected. For maximum compensation for supply lead voltage drop they should be connected as close to the load as possible

AC-DC

PK-Series: BIVOLT

Primary switched mode power supplies for use in 19" subracks to DIN41494, 30 or 60 Watt output.

Features

- High regulation accuracy
- Voltages adjustable
- Compact, rugged design
- Safety approvals to UL, cUL and EN60950
- CE marked for compliance to EMC and Low Voltage Directives
- SENSE operation (5V output)
- Overvoltage (OVP) and short circuit protected
- Remote On/Off
- No minimum load required
- Coded H15 connector
- Standardized pinning

PK Series Bivolt Plug-in Power Supplies

Ordering information

Description: **Bivolt PK30, PK60; 30 and 60 Watt outputs**		
Model	**Output voltage**	**Order code**
PK30 3U x 8HP	±12 - 15V/1A	**116-010015G***

Description: **Bivolt PK60, 60 Watt outputs**		
PK60-A 3U x 8HP	±12-15V/2A	**116-010022A#**
PK60-A 3U x 8HP	5V/6A;12-15V/2A	**116-010024F#**
PK60-C 3U x 8HP	5V/6A;24V/1,5A	**116-010025C#**
PK60-D 3U x 8HP	12-15V/2A;24V/1,5A	**116-010080E#**

Accessories:	
Reduced height front panel (PK30)	**148-010013C**
Reduced height front panel (PK60)	**148-010011J**
Mating connector coded H15 to DIN 41612	**017-010115K**
Coding keys (pkt 10)	**017-010064F**

Technical Data PK Series: Bivolt

Input specification	
Input voltage selectable:	115/230VAC
Input frequency:	47-63Hz
Inrush surge current limitation:	by NTC resistor
Input overvoltage protection:	by VDR
Hold up time (Nominal V_{IN}; 100% I_{OUT}):	>20ms
Efficiency:	typ. >75%

Safety (Compliant with Low Voltage Directive 73/23/EEC)	
Certified to:	EN60950, UL1950

EMC (Compliant with EMC Directive 89/336/EEC)	
Emmisions:	EN 55022/B (0,15-30MHz); EN 55022/B (30-1000MHz)
Immunity:	EN 50082-2
Electro Static Discharge:	EN 61000-4-2
Electrical fast transients/Burst:	EN 61000-4-4
RF Conducted disturbance:	EN 50141
RF Field susceptibility:	EN 50140

Environmental	
Operating temperature:	0°C to +70°C
Storage temperature:	-25°C to +85°C
Relative humidity:	Non-condensing 5% - 95%

Physical	
Case material/finish:	Clear anodised, ventilated aluminium cassette with cooling cutouts and front or rear heat sinks as required. DIN 41494 part 5 compatible

* EN60950 and UL certified
\# EN60950

PK-Series: BIVOLT

Output specifications

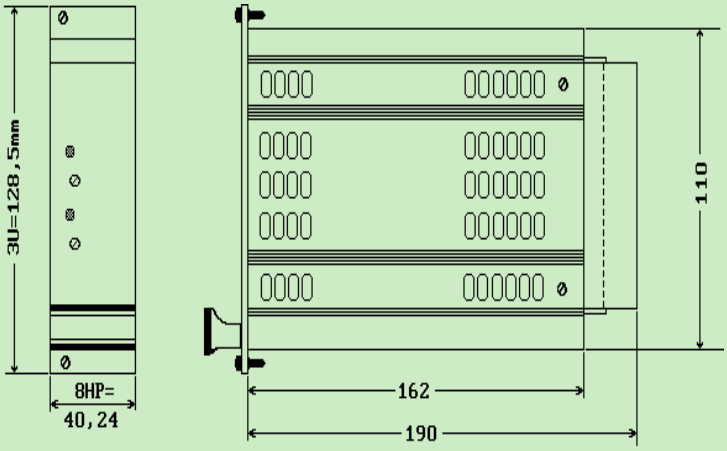
PK30	V1, V2
Output voltage:	**±12V - 15V**
Output adjustment range:	-
Output current:	**±0-1A**
Ripple:	<3mV$_{PP}$
Line regulation (100% I_{OUT}): Δ iV_{OUT}	<0,02%
Load regulation static (10...90% I_{OUT}): Δ iV_{OUT}	<0,5%
Transient response (10...90% I_{OUT}):	10ms
Switching frequency, converter type:	20-50kHz flyback converter
Current limit:	>2,2A
Short circuit protection:	continuous, automatic restart
Overvoltage protection (OVP):	-
Powerfail Signal (at full load) >6ms before V_{OUT}:	-
Temperature coefficient/°C:	0,02%
Voltage compensation with SENSE max.NOTE1:	0,5V
Derating:	1,3W/°C above 55°C

PK60	A:V1,V2	B:V1,V2	C:V1,V2	D:V1,V2
Output voltage:	**±12-15V**	**5V**(4,5-5,5V)**/12-15V**	**5V**(4,5-5,5V)**/24V**(22-26V)	**12-15V/24V**(22-26V)
Output current:	**±0-2A**	**0-6/0-2A**	**0-6/0-1,5A**	**0-2/0-1,5A**
Ripple:	<20mV$_{PP}$	<40mV$_{PP}$	<40mV$_{PP}$	<40mV$_{PP}$
Line regulation (100% I_{OUT}): Δ iV_{OUT}	<0,2%			
Load regulation static (10...90% I_{OUT}): Δ iV_{OUT}	<0,5%	<0,2%/0,5%	<0,2%/0,5%	<0,5%
Transient response (10...90% I_{OUT}):	1ms			
Switching frequency, converter type:	25-50kHz flyback converter			
Current limit:	>2,2A	>6,5A/>2,2A	>6,5A/>1,5A	>2,2A/>1,5A
Short circuit protection:	continuous, automatic restart			
Overvoltage protection (OVP):	fixed on 5V output, optional to special order on others			
Temperature-Coefficient/°C:	0,02%			
Voltage compensation with SENSE max.NOTE1:	0,5V maximum on 5V outputs			
Derating:	1,6W/°C above 55°C			

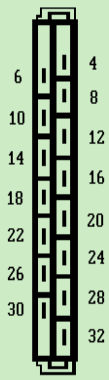
Mechanical details

PK30, PK60

Weight PK30, PK60: 850 g



Pin allocation - H15 Connector



PIN	function *PK30*	*PK60* A	B	C	D
4	——	——	+5V	+5V	+12-15V
6	——	——	+5V	+5V	+12-15V
8	——	——	0V	0V	0V
10	——	——	0V	0V	0V
12 Note 1	——	——	+SENSE	+SENSE	——
14 Note 1	——	——	-SENSE	-SENSE	——
16	——	——	——	——	——
18	+12-15V	+12-15V	——	——	——
20	0V	0V	+12-15V	+24V	+24V
22	-12-15V	-12-15V	0V	0V	0V
24	——	——	——	——	——
26	——	——	——	——	——
28	N	N	N	N	N
30	L	L	L	L	L
32	E	E	E	E	E

Note 1: *Sense lines must be connected. For maximum compensation for supply lead voltage drop they should be connected as close to the load as possible.*

PK-Series: TRIVOLT

Primary switched mode power supplies for use in 19" subracks to DIN41494, 60 to 250 Watts output.

Features

- 3 high stability outputs, all adjustable
- Safety approvals to UL, cUL and EN60950
- CE marked for compliance to EMC and Low Voltage Directives
- SENSE operation (5V output)
- Overvoltage (OVP) protection (5V output)
- Short circuit protected
- Powerfail signal
- No minimum load required
- Coded H15 connector
- Standardized pinning

PK-Series TRIVOLT Power Supply

Ordering information

Description: TRIVOLT PK60; 3U x 8HP, 60 Watt output power

Model	Outputs			Order-Code
	V1	V2	V3	
PK60-A	5V/6A	+12-15V/1A	-12-15V/1A	**116-010018J***
PK60-A PF	5V/6A	+12-15V/1A	-12-15V/1A	**116-010103A#**
PK60-B	5V/6A	+12-15V/2A	-12-15V/0,5A	**116-010101G***
PK60-B PF	5V/6A	+12-15V/2A	-12-15V/0,5A	**116-010102D#**

Description: Trivolt PK120; 3U x 14HP, 6U x 8HP 120Watt output power

PK120 3U	V1:5V/12A V2/V3: ±12-15V/2A	**116-010046C#**
PK120 6U	V1:5V/12A V2/V3: ±12-15V/2A	**116-010047L#**
PK120 6U PF	V1:5V/12A V2/V3: ±12-15V/2A	**116-010079D#**
PK120 3U PF	V1:5V/12A V2/V3: ±12-15V/2A	**116-010078G#**

Description: Trivolt PK125; 6U x 8HP, 125 Watt output power

	V1	V2	V3	
PK125	5V/13A	+12V/4A	-12V/1A	**116-010182E**

Description: Trivolt PK250-2; 6U x 14HP, 250 Watt output power

	V1	V2	V3	
PK250 with VME-Signal				
	5V/30A	+12V/6A	-12V/3A	**116-010115B#**

Description: Accessories	
Reduced height front panel: PK60	**148-10010A**
Reduced height front panel: PK120, 3U	**148-10020H**
Mating connector coded H15 to DIN 41612	**017-10115K**
Mating connector coded H15+2HA faston to DIN 41612	**017-10138K**
Coding keys (pkt 10)	**017-10064F**

Note: PF = Powerfail

Technical Data PK Series: Trivolt

Input specification	
Input voltage switchable:	115/230VAC
Input frequency:	47-63Hz
Inrush surge current limitation:	by NTC resistor
Input overvoltage protection:	by VDR
Hold up time (Nominal V_{IN}; 100% I_{OUT}):	>20ms
Efficiency:	typ. >75%

Safety (Compliant with Low Voltage Directive 73/23/EEC)	
Certified to:	EN60950, IEC 950, UL1950, VDE 0805

EMC (Compliant with EMC Directive 89/336/EEC)	
Emmisions: EN 55022/B (0,15-30MHz); EN 55022/B (30-1000MHz)	
Immunity:	EN 50082-2
Electro Static Discharge:	EN 61000-4-2
Electrical fast transients/Burst:	EN 61000-4-4
RF Conducted disturbance:	EN 50141
RF Field susceptibility:	EN 50140

Environmental	
Operating temperature:	0°C to +70°C
Storage temperature:	-25°C to +85°C
Relative humidity:	Non-condensing 5% - 95%

Physical

Case material/finish: Clear anodised, ventilated aluminium cassette with cooling cutouts and front or rear heat sinks as applicable. DIN 41494 part 5 compatible

* EN60950 and UL certified
\# EN60950

PK Series: TRIVOLT

Output specifications

PK60	V1	Version A: V2,V3	Version B: V2,V3
Output voltage:	**5V**	**±12-15V**	**±12-15V**
Output adjustment range:	4,5-5,5V	-	-
Output current:	**0-6A**	**±0-1A**	**+2A/-0-0,5A**
Ripple:	<40mV$_{PP}$	<3mV$_{PP}$	<3mV$_{PP}$
Line regulation (100% I_{OUT}): Δ iV_{OUT}	<0,2%	<0,02%	<0,02%
Load regulation static (10...90% I_{OUT}): Δ iV_{OUT}	<0,2%	<0,2% (0,75%)	<0,5% (0,75%)
Transient response (10...90% I_{OUT}):	1ms	10ms	10ms
Switching frequency, converter type:		20-50kHz flyback converter	
Current limit:	>6,5A	>±1,1A	>2,1A/0,6A
Short circuit protection:Short circuit protection:		continuous, automatic restart	
Overvoltage protection (OVP):	6-6,7V	-	-
Powerfail Signal (at full load) >6ms before V_{OUT}:	<4,8V	-	-
Temperature-Coefficient/°C:		0,02%	
Voltage compensation with SENSE max.NOTE1:	0,5V	-	-
Derating:		1,6W/°C above 45°C	

PK120	V1	V2,V3
Ausgangsspannung:	**5V**	**±12-15V**
Output adjustment range:	4,5-5,5V	-
Output current:	**0-12A**	**0-2A**
Ripple:	<40mV$_{PP}$	<20mV$_{PP}$
Line regulation (100% I_{OUT}): Δ iV_{OUT}	<0,02%	
Load regulation static (10...90% I_{OUT}): Δ iV_{OUT}	<0,2%	
Transient response (10...90% I_{OUT}):	<0,2ms	<0,5ms
Switching frequency, converter type:	25-100kHz flyback/forward converter	
Current limit:	>12,5A	>2,2A
Short circuit protection:Short circuit protection:	continuous, automatic restart	
Overvoltage protection (OVP):	5,5-6,0V	-
Powerfail Signal (at full load) >6ms before V_{OUT}:	<4,8V	-
Temperature-Coefficient/°C:	0,02%	
Voltage compensation with SENSE max.NOTE1:	0,5V	-
Derating:	4W/°C above 55°C	

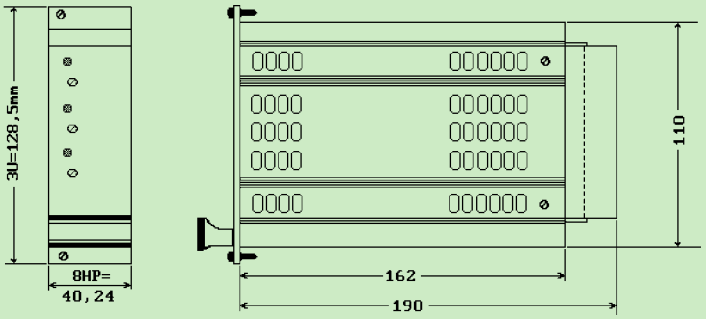
PK125	V1	V2	V3
Ausgangsspannung:	**5V**	**12V**	**-12V**
Output adjustment range:	4,5-5,5V	10,8-13,2V	-10,8-13,2V
Ausgangsgleichstrom:	**0-13A**	**0-4A**	**0-1A**
Ripple:		<40mV$_{PP}$	
Line regulation (100% I_{OUT}): Δ iV_{OUT}	<0,3%	<0,2%	<0,2%
Load regulation static (10...90% I_{OUT}): Δ iV_{OUT}		<0,2%	
Transient response (10...90% I_{OUT}):	1ms	1ms	1ms
Switching frequency, converter type:		50kHz forward converter	
Current limit:	>14A	>5A	>1A
Short circuit protection:	continuous, automatic restart		
Overvoltage protection (OVP):	6,0-6,7V adjustable	-	-
Powerfail Signal (at full load) >6ms before V_{OUT}:	ACFAIL and SYSRESET in accordance with VME spec. rev D		
Temperature-Coefficient/°C:		0,05%	
Voltage compensation with SENSE max.NOTE1:	0,5V	-	-
Derating:		3W/°C above 55°C	

PK250	V1	V2	V3
Ausgangsspannung:	**5V**	**12V**	**-12V**
Output adjustment range:	4,5-5,5V	10,8-13,2V	-10,8-13,2V
Output current:	**0-30A**	**0-6A**	**0-3A**
Ripple:		<40mV$_{PP}$	
Line regulation (100% I_{OUT}): Δ iV_{OUT}		<0,2%	
Load regulation static (10...90% I_{OUT}): Δ iV_{OUT}	<0,2%	<1%	<1%
Transient response (10...90% I_{OUT}):	1ms	2ms	2ms
Switching frequency, converter type:		50kHz halfbridge push-pull converter	
Current limit:	>31A	>6,5A	>3,5A
Short circuit protection:		continuous, automatic restart	
Overvoltage protection (OVP):	5,5-7,0V adjustable	-	-
Powerfail Signal (at full load) >6ms before V_{OUT}:	ACFAIL and SYSRESET in accordance with VME spec. rev D		
Temperature-Coefficient/°C:		0,05%	
Voltage compensation with SENSE max.NOTE1:	0,5V	-	-
Derating:		6W/°C above 55°C	

PK Series: TRIVOLT

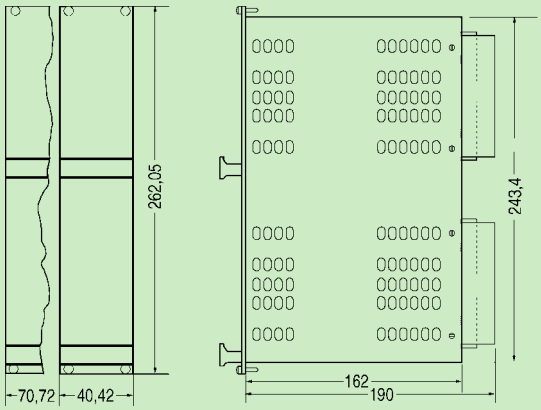
Mechanical details

PK60



Weight: PK60: 850g

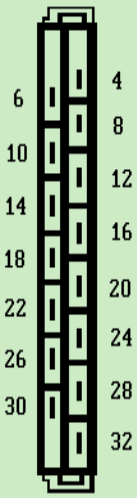
PK120, PK125, PK250



Weight: PK120, PK125: 1350g
Weight: PK250: 2500g

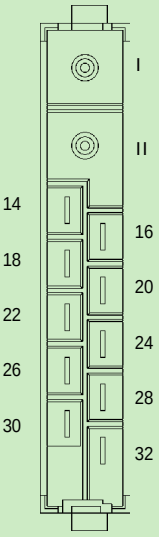
Pin allocation H15-connector

PIN	Function *PK60*	*PK120*
4	+5V	+5V
6	+5V	+5V
8	-Vout	-Vout
10	-Vout	-Vout
12	+SENSE	+SENSE
14	-SENSE	-SENSE
16	PF Q	PF Q
18	+12-15V	+12-15V
20	0V	0V
22	-12-15V	-12-15V
24	——	——
26	——	——
28	N	N
30	L	L
32	E	E



Pin allocation - H15+2HA connector

PIN	Function S2 *PK125/250*	PIN	Function S1 (DIN41612 - C96) *PK125/250*
I	+5V	B3	AC FAIL
II	0V	C12	SYS RESET
14	+SENSE	C9	0V
16	-SENSE		
18	+12V		
20	0V (±12V)		
22	-12V		
28	N		
30	L		
32	E		



AC-DC