



1U HIGH MULTIPLE OUTPUT CONFIGURABLE POWER SUPPLIES

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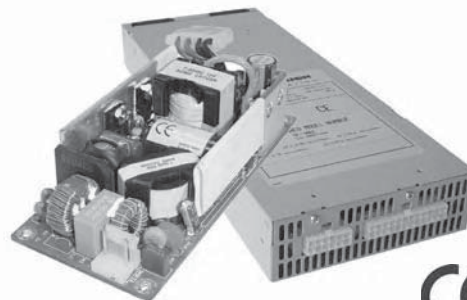


QuiQ™ Series: MODULAR SWITCHER

1U High, Up to 400 Watts with up to 4 Independent Outputs

FEATURES

- Fully Independent Output Modules
- Fully Characterized AC to DC Power
- Independent Floating Outputs
- 3.3V to 48VDC Output
- Only 1U-High (1.72 Inches)
- IEC60320 C14 AC Inlet
- 1 to 4 Outputs
- Class B Input EMI Filter
- Integral Cooling Fans
- OVP, Short Circuit and Inrush Surge Protected
- Pluggable Connectors
- Remote Sense all Outputs
- SEMI F47 Compliant



1U High
1.6" x 5" x 13"
(40.6mm x 127.0mm x 330.2mm)



LVD73/23/EEC

UL60950-1
CSA22.2 60950-1
EN60950-1

TWO YEAR WARRANTY

MODEL NUMBER CONFIGURATION		
QF- V1-V2-V3-V4		
Substitute module code for the V1, V2, V3 or V4 outputs from the table on the right (see examples below)		
4 Outputs	3.3V, 5V, 12V and 12V	QF-A-B-C-C
3 Outputs	5V, 12V and 12V	QF-B-C-C-X

NOTES:

1. V3 must always be 12V and is required for all configuration.
2. V4 may not be 3.3V or 5V.
(Consult factory for alternative configurations)
3. 'X' = no output module fitted.

MODULE CAPABILITY GUIDE*			
MAX. OUTPUT POWER	OUTPUT VOLTAGE	OUTPUT CURRENT	MODULE CODE
66W	3.3VDC	20.0A	A
100W	5.0VDC	20.0A	B
100W	12.0VDC	8.3A	C
100W	15.0VDC	6.7A	F
100W	18.0VDC	5.5A	G
100W	24.0VDC	4.2A	D
100W	48.0VDC	2.1A	E

NOTE*: Total power is not to exceed 400 watts.

QF-__-__-C-__

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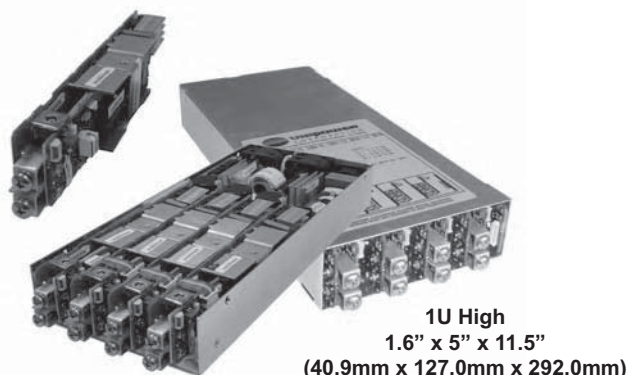
QuiQPLUS™ Series: MODULAR/CONFIGURABLE

1U High, Up to 1000 Watts with up to 8 outputs

FEATURES

- 1U High
- 600, 800 & 1000 Watt Configurations
- 1 to 8 Outputs
- Any Voltage from 3V to 56V
- Wide Range Output Adjust
- Any Combination of Single or Dual Modules
- Isolated and Floating Outputs
- Parallel Operation of Single Output Modules
- Universal 85 to 264VAC Input to 800W
- I²C Serial Data Bus
- TTL Level Control and Status Signals
- Power Factor Correction
- Class B Input EMI Filter
- 5VDC/100mA Standby Output
- Up to 10.9 Watts/Cubic Inch
- Optimized Thermal Management
- No Minimum Load
- Thermally Controlled Fan Speed
- SEMI F47 Compliant to 800W

TWO YEAR WARRANTY



LVD73/23/EEC

UL60950-1
CSA22.2 60950-1
EN60950-1

CHASSIS CAPABILITIES

Chassis Code	Maximum Power	AC Voltage Range
QH	600W	85-264VAC
QM	800W	85-264VAC
QN	1000W	180-264VAC

SINGLE OUTPUT MODULES

LOW CURRENT MODULES				HIGH CURRENT MODULES			
Module Code ²	Voltage Range	Max. Current ¹	Max. Power ¹	Module Code ²	Voltage Range	Max. Current ¹	Max. Power ¹
BL	3.0V-7.2V	35A	220W	BH	3.0V-7.2V	70A	350W
CL	7.0V-16.8V	16.6A	240W	CH	7.0V-16.8V	33.3A	400W
DL	15.0V-36.0V	8.3A	250W	DH	15.0V-36.0V	16.6A	400W
EL	30.0V-56.0V	4.2A	215W	EH	30.0V-56.0V	8.3A	400W

DUAL OUTPUT MODULES

Module Code	Output 1		Output 2		Max. Power ¹
	Voltage Range	Max. Current ¹	Voltage Range	Max. Current ¹	
BB	3.0V-7.2V	10A	3.0V-7.2V	10A	50W/50W
BC	3.0V-7.2V	10A	7.0V-16.8V	5A	50W/60W
CC	7.0V-16.8V	5A	7.0V-16.8V	5A	60W/60W
DD	15.0V-36.0V	2.5A	15.0V-36.0V	2.5A	60W/60W

Notes:

1. The maximum output from each module is defined by the maximum current or power, whichever is first. For example, a type BH module will provide 3.0-5.0V at up to 70A and from 5.0-7.2V at up to 350W. Above 5.0V current is limited automatically to maintain power within the 350W limit. When two or more single output modules are configured for parallel operation the maximum power for each module is reduced by 15%.
2. Consult factory when specifying for series operation.

To specify a unit to meet your needs:

1. List the actual output voltages and currents required.
2. Add the total combined power and select the most appropriate chassis code.
2. Select the module or combination of modules that most closely meets the needs for each output.
 - a) To specify a single output module or combination of modules: Prefixing the module code shown in the tables to the left with the exact output voltage required, to the nearest 100mV. e.g. **3.4BH** represents a type **BH** module set to 3.4V. To parallel two like modules please indicate this by adding **2P** to the end of the module code. e.g. **3.4BH2P** represents two type **BH** modules set to 3.4V and connected in parallel. The same applies for 3 or 4 modules in parallel. Add **3P** or **4P**.
 - b) To specify a dual output module: Prefix each half of the module code shown with the exact output voltage required, to the nearest 100mV. e.g. **13.4C15.1C** represents a dual output module type **CC** with the first output set to 13.4V and the second to 15.1V.
3. Enter the chassis code and then the module codes into the template below from left to right in ascending order of actual required voltage, starting with single output modules or module combinations followed by dual output modules. Note that **2P**, **3P** or **4P** combinations will occupy only one template position and that the combination of modules selected may also result in less than 4 positions being filled.

Q _ - _ - _ - _ - _ -

For further explanation on how to configure your exact model number see the **Detailed Configuration Guide** on the datasheet or use the configurator available on the UNIPOWER WEB site.

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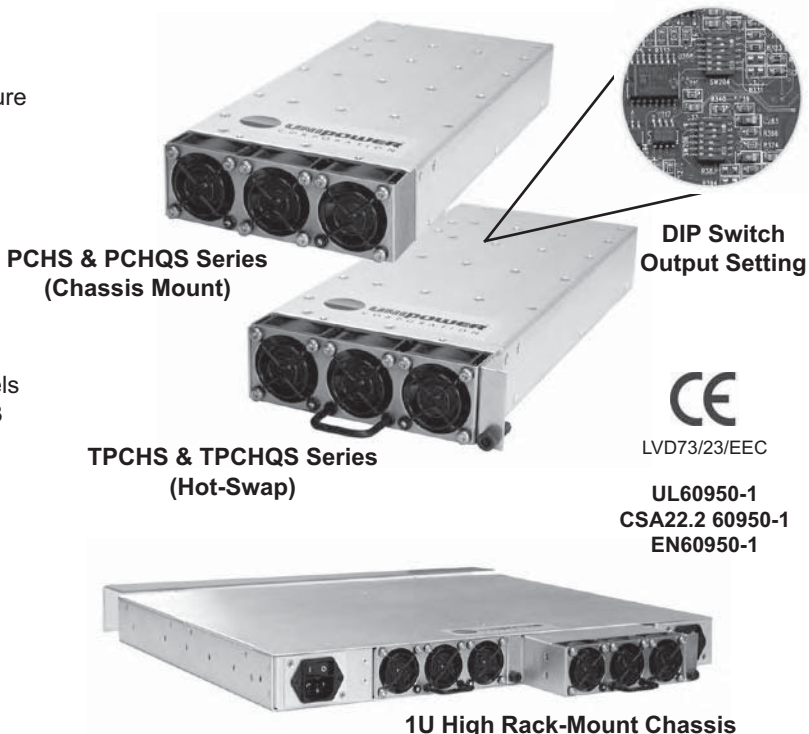
PowerCassette™ Series: QUICK-SET™ CONFIGURABLE

1U High & Hot-Swap, Up to 6 Outputs at 600W, AC or DC Input

FEATURES

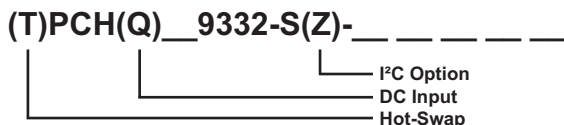
- Outputs Set by DIP Switches
- Advanced "CellularPower"™ Architecture
- Up to 5 Outputs Plus 5V, ¼ A Standby
- 508 Different Models
- Hot-Swap or Chassis Mount Versions
- 1.8 to 12VDC Outputs
- AC or DC Input
- I²C Serial Data Bus Option
- Integral LED Status Indicators
- 6.8 Watts/Cubic Inch Power Density
- ORing Diodes on All Outputs
- Two-Unit 19" Rack for Hot-Swap Models
- Active Current Sharing on V1, V2 & V3
- Universal 85 to 264VAC Input
- Class B EMI Input Filter
- Wide Range 36 to 72 VDC Input
- DC Input Reverse Polarity Protected
- Optimized Thermal Management
- No Minimum Load, Any Output
- Control & Monitoring Features
- SEMI F47 Compliant, AC Input Units
- Suitable for NEBS Applications

TWO YEAR WARRANTY



CONFIGURATION GUIDE				
Series	AC or DC Input	V1 Output	I ² C Option	Output Configuration
PCH = Chassis-Mount TPCH = Hot-Swap	Q = DC B * = AC	29332-S = 1.8-5V 32332-S = 12V	Z = I ² C B* = No I ² C	Add 5 letters as table at right -XXXXX

NOTE: B* means "leave blank" (no letter)



Examples: Model TPCH29332-S-DBFGE is a Hot-Swap with AC input, no I²C.
V1 = 5V/70A, V2 = 2.5V/50A, V3 = 12V/10A, V4 = -12V/3A and V5 = -5V/3A

Model PCHQ32332-SZ-FCOGE is a Chassis-Mount with DC input, with I²C.
V1 = 12V/35A, V2 = 3.3V/50A, V3 = No Output, V4 = -12V/3A and V5 = -5V/3A

Two-Unit Racks: For ordering information on these racks, see data sheet.

OUTPUT QUICK-SET CODES		
Output	Output Voltage / Current	Code Letter
V1 & V2	+1.8V / 70A / 50A	A
	+2.5V / 70A / 50A	B
	+3.3V / 70A / 50A	C
	+5V / 70A / 50A	D
	+12V / 35A (not V2)	F
	+5V / 100A (V1+V2) no output	L O
V3	+5V / 10A	J
	+12V / 10A	F
	no output	O
V4	+12V / 3A	F
	-12V / 3A	G
	no output	O
V5	+1.8V / 3A	A
	+2.5V / 3A	B
	+3.3V / 3A	C
	+5V / 3A	D
	-5V / 3A	E
	-5.2V / 3A no output	K O

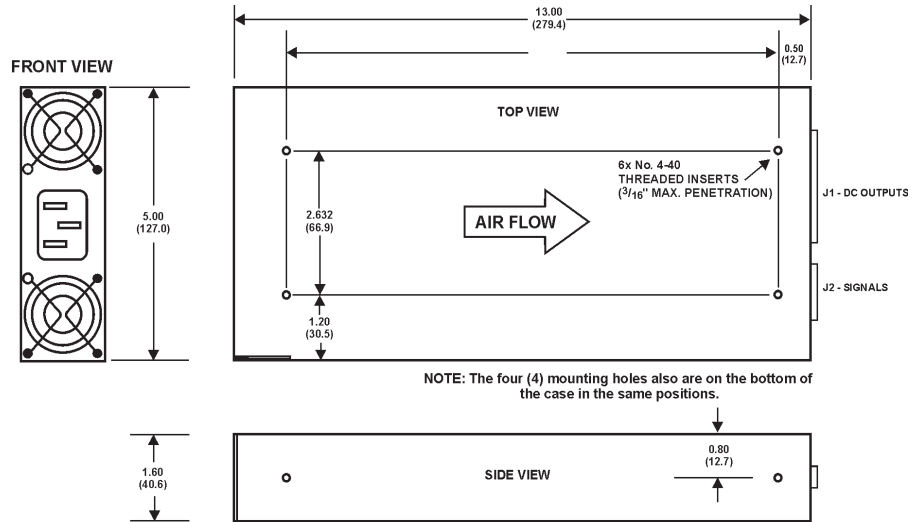
Notes:

1. V1 cannot be configured with no output.
2. +5V 100A (code L) is V1 + V2 combined.
3. Maximum combined current for V1 + V2 is 100A

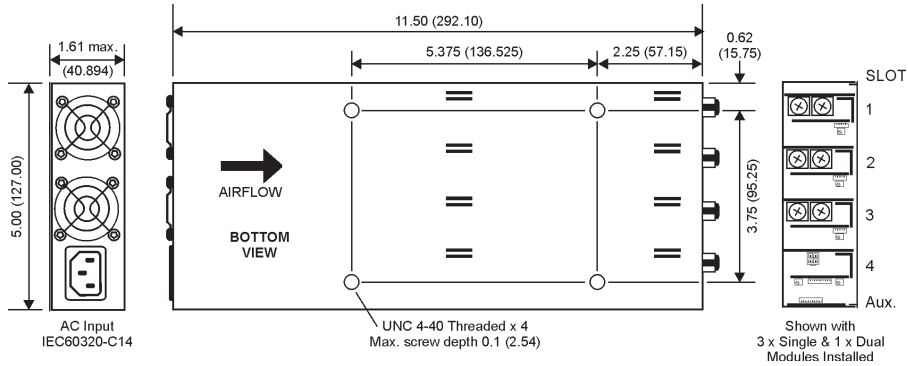
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OUTLINES & DIMENSIONS

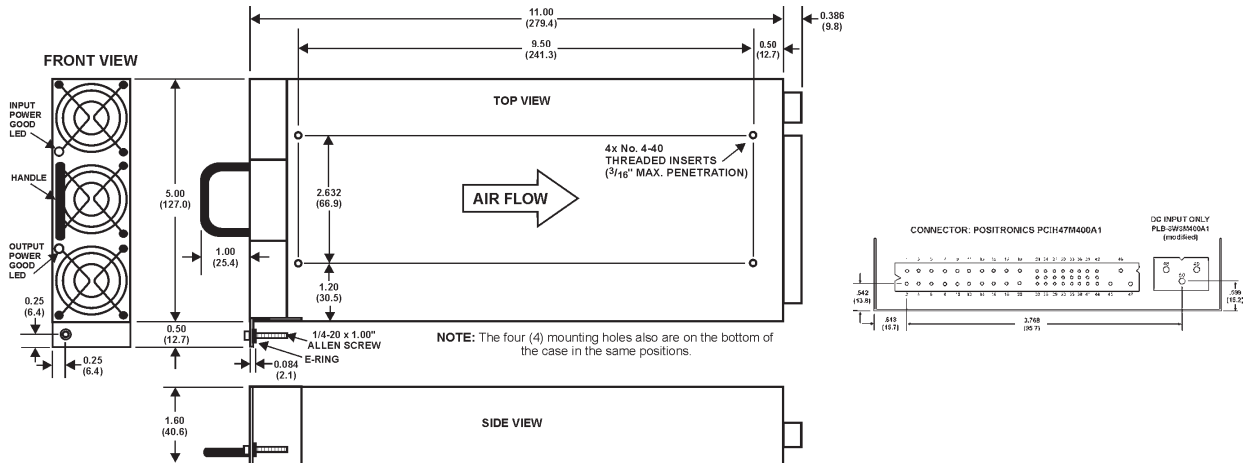
QuiQ Series



QuiQPLUS Series



PowerCassette Quick-Set Series



NOTE: The TPCHS Model is shown. The PCHS version does not have handle or mounting bracket with bolt. The AC input version does not have DC input connector (pins 48-50).

ALL DIMENSIONS NOMINAL IN INCHES (mm).

1U HIGH MULTIPLE OUTPUT CONFIGURABLE POWER SUPPLIES

Serving OEMs with:

**Front-Ends
Single Output Power Supplies
Multiple Output Power Supplies
Customized Power Solutions**



Serving Communications Customers with:

**Rectifiers
Distribution Panels
Inverters
DC/DC & Bus Converters
Compact Power Systems
Energy Systems**



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