

Features

- Standard quarter brick:
2.3" × 1.5" × 0.5"
(57.9mm × 36.8mm × 12.7mm)
- 2:1 input voltage: 36~75V
- Output power:
220W,360W,400W,420W
- Isolated output: 12V
- Super high efficiency: 94.5%
- Functions:
Remote control,
Input UVL, output OVP and OCP, OTP
Open frame structure with base plate
option.
- Isolation: Basic insulation

Environmental

- Operating temperature range:
-40°C~85°C
- Over temperature protection: 125°C
- Storage temperature: -55°C~125°C
- MTBF: >2.0 million hrs

Safety

- UL UL60950
- TUV/CE IEC/EN60950

Electrical Specifications

Input

Input range: 36~75 Vdc

Output

Voltage setpoint accuracy 11.4~12.6V
 Line regulation 5% Vo max
 Load regulation 3% Vo max
 Ripple and noise 300mV p-p max
 Transient response 400mV max
 (AVQ220W/360W/420W)
 600mV max
 (AVQ220B/400B)
 700µs max
 (25% step load change
 from 50%, di/dt: 0.1A/µs)

Control

Control voltage
 Positive logic
 High=on 3.5~5 Vdc
 Low=off -0.7~1.2 Vdc
 Negative logic
 High =off 3.5~5 Vdc
 Low=on -0.7~1.2 Vdc
 Control current 2.0mA max



Ordering Information

Input voltage	Output voltage	Output current	Efficiency	Model number
48V	12V	18A	95%	AVQ220W-48S12
48V	12V	18A	94%	AVQ220B-48S12
48V	12V	30A	94.5%	AVQ360W-48S12
48V	12V	33A	94.5%	AVQ400B-48S12
48V	12V	35A	94.5%	AVQ420W-48S12

Dimensions

AVQ220B/400B:

