



FEATURES:

- Wide Input 65Vac nom.
- Dual DC Output
- Low Ripple
- F-Type Sockets
- IP65 Protection

SPECIFICATION

Variante HTK-65AC 12/24-S

Input Voltage Range: AC35~75V (47~63 Hz)
Output Power: Max: 42W, Recommended: 36W
Output Voltage: V1: DC +24V, V2: DC +12V
Output Current: Max: V1: 1.2A, V2: 1.2A,
Recommended: V1: 1.0A, V2: 1.0A
Regulators Accuracy: V1: $\pm 1\%$, V2: $\pm 5\%$
Ripple: Max: V1: 50mVp-p, V2: 80mVp-p;
Typ.: V1: 24mVp-p, V2: 21mVp-p
Efficiency: > 75%
Inrush Current: Max: 35A, Typ.: 10A
Hold Time: > 20mS
Wiring Method:
Input: L: Vin AC65V, N: housing ground (common ground);
Output: V1: DC+24V, V2: DC+12V, COM: housing ground
(common ground)
Protection Features:
When load > 120%, current limit protection to start
When V1 $\geq 26V$, voltage limit protection to start
Short-circuit protection and automatic recovery
Working Conditions: -25~+55 °C (20~90% RH)
Input and Output Interfaces: F-type socket: 3/8*32UNEF
IP Rating: IP65
Safety Standards: EN60950, UL60950, Withstand voltage test does not apply
(Input and output common ground)
Warranty: 12 months
EMC Standards: EN55022, EN55024
Weight: 1,3kg
Dimensions: 245x152x102mm

Variante HTK-65AC 12/48-S

Input Voltage Range: AC35~75V (47~63 Hz)
Output Power: Max: 42W, Recommended: 36W
Output Voltage: V1: DC +48V, V2: DC +12V
Output Current: Max: V1: 0.6A, V2: 1.2A,
Recommended: V1: 0.5A, V2: 1.0A
Regulators Accuracy: V1: $\pm 1\%$, V2: $\pm 5\%$
Ripple: Max: V1: 80mVp-p, V2: 80mVp-p;
Typ.: V1: 43mVp-p, V2: 24mVp-p
Efficiency: > 75%
Inrush Current: Max: 35A, Typ.: 10A
Hold Time: > 20mS
Wiring Method:
Input: L: Vin AC65V, N: housing ground (common ground);
Output: V1: DC+48V, V2: DC+12V, COM: housing ground
(common ground)
Protection Features:
When load > 120%, current limit protection to start
When V1 $\geq 55V$, voltage limit protection to start
Short-circuit protection and automatic recovery
Working Conditions: -25~+55 °C (20~90% RH)
Input and Output Interfaces: F-type socket: 3/8*32UNEF
IP Rating: IP65
Safety Standards: EN60950, UL60950, Withstand voltage test does not
apply (Input and output common ground)
Warranty: 12 months
EMC Standards: EN55022, EN55024
Weight: 1,3kg
Dimensions: 245x152x102mm

Series HTK-65AC

36W SWITCHING CATV POWER SUPPLY

(PRILIMINARY)

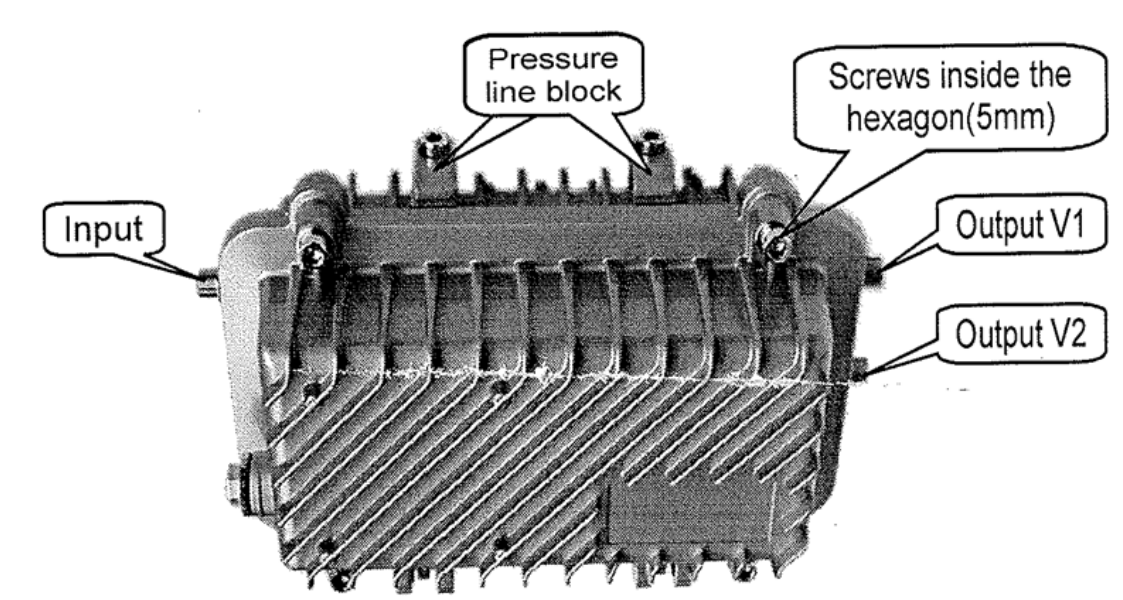
OUTPUT VOLTAGE / CURRENT RATING CHART: Measured at output power connector

Model	Output Voltage	Convection	Max. Output Current	Regulation	Ripple & Noise
HTK-65AC 12/24-S	V1: +24V	36W	V1: 1.2A	V1: +/- 1%	V1: 24mVp-p
	V2: +12V	36W	V2: 1.2A	V2: +/- 5%	V2: 21mVp-p
HTK-65AC 12/48-S	V1: +48V	36W	V1: 0,6A	V1: +/- 1%	V1: 43mVp-p
	V2: +12V	36W	V2: 1.2A	V2: +/- 5%	V2: 24mVp-p

Note:

Input fuse specifications is 3A250V (φ 5x20).

OUTLINE DRAWING: Overall size: 245 (L) x 152 (W) x 102 (H) mm; Weight: 1,3 Kg



Series HTK-65AC

36W SWITCHING CATV POWER SUPPLY

(PRILIMINARY)



INSTALLATION AND USE

- The installation for hanging wire rope; wire rope placed in the pressure line block „V“-type slot, and tighten 2 screws inside the hexagon (5mm). Open the power supply housing, the input and output cables to connect the corresponding socket in the housing.
- Power on and test: Turn on the power supply housing, if the input voltage is AC35~75V, and the load which connected to the output is in line with the specification requirements, Power on and test the voltage of the output terminal to ground (housing), should meet the specification requirements.
- **Variante HTK-65AC 12/24-S:** The power supply output load can not exceed the recommended values of the specification requirements, that is, DC24V: 24W, DC12V: 12W
- **Variante HTK-65AC 12/48-S:** The power supply output load can not exceed the recommended values of the specification requirements, that is, DC48V: 24W, DC12V: 12W
- After Operation, close the power supply housing, and tighten 4 screws inside the hexagon (5mm) !!! So as to avoid the damp or water into the power supply housing

CAUTION

- Power supply housing must be reliable grounded.
- Installation and operation of the power supply must be carried out by professionals.
- When the power supply is in power-up state, can not touch any part inside the power supply, to avoid electric shock!
- While the power supply maximum output power is 42W, but we recommended that the actual load of power supply should not exceed 36W. The extra 20% is the design margin in order to make the Power supply in the best working condition and the longest life expectancy.

HiTek



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