



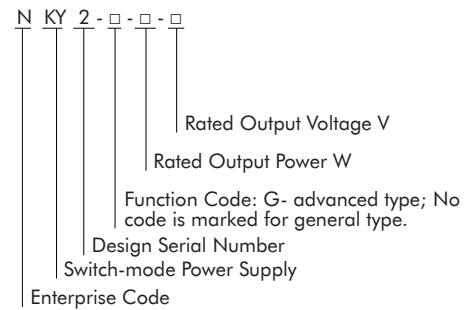
## NKY2 Series Switch-mode Power Supply

### 1. Scope of Application

NKY2 Series Switch-mode Power Supply is a thin din rail type DC power supply. It is applicable to industrial automation control system, communication and monitoring system, electronic instrument, LED display screen, mechanical and electrical equipment as control power supply, lighting power supply and signal power supply of equipment.

Compliance Standard:Q/ZT 305

### 2. Model and Meaning



### 3. Main Technical Parameters

#### 3.1 Normal Working Conditions

Mode	Ambient Temperature	Relative Humidity
NKY2	-5°C ~40°C	40%~90%(20 °C 90%)
NKY2G	-20°C ~70°C	20%~90%(20 °C 90%)

**TIPS:** When the maximum temperature is 40 °C , the relative humidity of the air shall not exceed 50%. At a lower temperature, a higher relative humidity can be allowed, such as 90% at 20 °C . Special measures shall be taken for occasional condensation due to temperature change.

#### 3.2 Installation Conditions

The altitude of the installation site shall not exceed 2000m.

## 4. Main Performance Parameters

### 4.1 Main Performance Parameters

Item	Model and Parameters							
	NKY2-75	NKY2-120	NKY2-240	NKY2-480	NKY2G-75	NKY2G-120	NKY2G-240	NKY2G-480
Rated Output Power	75W	120W	240W	480W	75W	120W	240W	480W
Rated Input Voltage Range V	90V~264V							
Input Frequency Range Hz	47Hz~63Hz							
Output Ripple & Noise Vp-p/mV	12V: ≤120mV ; 24V、48V ; ≤150mV							
Output Voltage Stability	±1%							
Load Stability	12V: ±2% , 24V、48V: ±1%							
Protective Value	Overcurrent	110% ~ 150% rated load ( Protection Mode: Automatic recovery after abnormal elimination.)			110% ~ 150% rated load ( Protection Mode: Constant-current limit; Automatic recovery after abnormal elimination.)			
	Overpressure	Protection Mode: Automatic recovery after abnormal elimination.						
	Overtemperature	—			Protection Mode: Automatic recovery after abnormal elimination.			
Safety Regulations	Withstand Voltage	Between Input and Output :1.5kVAC, Between Input and Enclosure: 1.5kVAC, Between Output and Enclosure: 0.5kVAC			Between Input and Output: 3kVAC, Between Input and Enclosure: 1.5kVAC, Between Output and Enclosure: 0.5kVAC			
	Insulation Impedance	Between Input and Output, Between Input and Enclosure and Between Output and Enclosure: >100M						
Electromagnetic Interference	Level A: Industry use level				Level B: Civil use level			

## 5. Structural Features

Thin Design, Saving Space  
Din Rail Installation, Easy Installation

Full Range Input 90V ~ 264V

With the Characteristics of Short-circuit, Over-voltage, Over-load and Over-temperature Protection, High-efficiency, Long Service Life and High-reliability.  
Natural Air-cooling

## 6. Overall Dimension

Model	Width × Depth × Height (mm)	Mode	Width × Depth × Height (mm)
NKY2-75	32×132×111	NKY2-240	63×132×122
NKY2G-75		NKY2G-240	
NKY2-120	40×132×122	NKY2-480	86×132×137
NKY2G-120		NKY2G-480	

## 7. Ordering Instructions

Example 1: Switch-mode Power Supply, rated output power 75W, output voltage 12V, 50 pieces  
NKY2 -75-12, 50 pieces

Example 2: Switch-mode Power Supply, rated output power 120W, output voltage 24V, 50 pieces  
NKY2G -120-24, 50 pieces