



PRODUCT INTRODUCTION

NQVPD2J adjustable over-under-voltage protector is used for household and industrial power equipment protection, to prevent electrical appliances from working for a long time in a voltage unstable environment (too high, too low) and damaged, the product has overvoltage undervoltage and overcurrent automatic power off protection and automatic recovery of power supply after voltage and current restore stable rated value, the protection process and restore power supply process without manual intervention, no maintenance is required, the performance of this equipment is stable, the voltage and current display accuracy is high, and the anti-interference ability is strong, It can be used for high-frequency interference lines AC power output section of photovoltaic system and frequency converter.

PARAMETERS

Product Model	NQVPD2J
Electrical Characteristics	
Pole Number	1P-N
Rated Current Ie (A)	63, 100
Rated Supply Voltage (V)	100-240 Universal
Raled Frequency (Hz)	40/50/60/70
Functions	Over-voltage protection, Under-voltage protection, Over-current protection
>Usetting Range (V)	AC130-300; DC130-300, always in protection when set improperly, fault light on
<Usetting Range (V)	AC80-210; DC80-210, always in protection when set improperly, fault light on
Max.operating Phase Voltage	350V
OV-UV backlash (V)	5
Table Update (s)	0.1-1.0
Action Time	0.1~1.0
Table Algorithm	RMS/RMS, The algorithm should be used for the utility grid
Switch Function	When the protection function is turned off, the relay keeps intact, but the switch button is still active.
Mode Display	VF, CF, VA, etc. can be switched by mode
DC Mode	Current/power invalid when DC is used
Energy Saving Mode	Reduce LED brightness when protector is inactive to save energy
Embedded RTOs	Improve system performance and stability, with high maintainability
Mechanical Characteristics	
Altitude	≤2000m
Electrical Service Life (Times)	100000
Permlssable Relative Humidity	≤5°Cat 40°C(without condensation)
Storage Temperature	-25°C~+55°C
Installation Characteristics	
Terminal	Bolted Connection
Torque for Wiring(N.m)	2.5
Installation	Standard DIN rail (35mm width), Panel bracket installation

SETTINGS

No.	Option Code	Option	Max.	Min.	Default	Stepping	Unit	Explain
P1	Pt	Power-On Delay	999	1	5	1/10	S	
P2	rt	Recovery Delay	999	1	30	1/10	s	
P3	oU	OV	300	130	270	1/10	V	Greater than 300 closing OV
P4	oUr	OV Recovery Value	295	125	265	1/10	V	Skip this setting when OV is off
P5	uU	UV	210	80	170	1/10	V	Below 80 Close UV
P6	uUr	UV Recovery Value	215	85	175	1/10	V	Skip this setting when UV is closed
P7	Utt	OV Action Delay	10.0	0.1	0.5	0.1/1.0	S	
P8	UAd	Voltage Correction	+10%	-109%	0	0.5%	V	Long press setting is not recommended
P9	oC	OC	63.0	1.0	63.0	0.1/1.0	A	Greater than 63.0 Close OC
P10	Ctt	OC Action Delay	10.0	0.1	1.0	0.1/1.0	S	
P11	CC	Continuous OC Counting	20	0	0	1	time	0: Close Counting
P12	CAd	Current Correction	+10%	-10%	0	0.5%	A	Long press setting is not recommended
P13	FAd	Frequency Correction	+2.5%	-2.5%	0	0.19%	Hz	Modifying this value affects the accuracy of the timer
P14	FPd	Fast Power Failure Protection	ON	OFF	ON		MS	
P15	dS	Display Mode	3	1	1	1		1: Standard2: Manual switching3: Automatic switching
P16	Ar	Automatic Reset	ON	OFF	ON			ON: Self-recoveryOFF: Manual recovery
P17	Act	Action/Switch Mode	ON	OFF	ON			ON: Protector works normallyOFF: Switch mode
P18	EC	Energy-Saving Mode	ON	OFF	OFF			ON. ONOFF: OFF
P19	Loc	Setup Lock Code	999	000	112	1/10		If the value is not 112, the parameters can be check but can not be set.

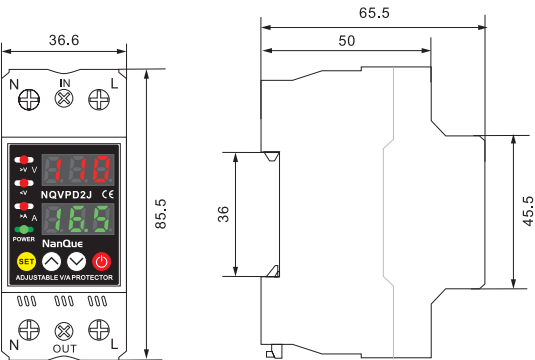
POWER ON

Function	Description
Power-on Self-test	Turn on the digital tube display 888, LED indicator light on for 1 second
Status Display	The first digit of the upper digital tube shows the OV protection status. 'y' : Turn on OV protection =: Turn off OV protection
	The second digit of the upper digital tube shows the UV protection status. 'y' : Turn on UV protection 2: Turn off UV protection
	The third digit of the upper digital tube shows the OC protection status. 'y' : Turn on OC protection=: Turn off OC protection
	The lower digital tube displays the frequency of the current power supply 50H/60H/dC
	Disclose the switch function, skip the status display
	Automatic reset is turned off, skip the status display
	The status display is constrained by the power-on delay. The power-on delay is greater than 3 seconds, and then the remaining power-on time is displayed.

OTHER OPERATIONS

Function	Description
Restoration	In shutdown mode, press and hold the power button for more than 5S to reset all parameters.
Switching Display	Display mode 2: +,- key toggles
	Display mode 3: +,- key toggles
ON/OFF	Press the power button briefly to operate
Quick Voltage Adjustment	Power on status, quick click on the early key
Fast Adjustment Current	Power on status, quick click one button
Setting Error	When OV is set lower than UV, the protector will always be protected
Calibration Reference	When correcting voltage/current, the correction must be done with reference to a multimeter with RMS
Change setup lock password	Reservation

SIZE (UNIT: MM)



PRECAUTIONS AND WARNING

1. Do not use in humid places, as this may damage the internal circuits and cause electrical faults.
2. Do not connect to a circuit with a voltage exceeding the product's tolerance, otherwise the product may be damaged.
3. Do not open the product casing without authorization. If the product malfunctions, please contact the manufacturer in a timely manner.