



#### AC input side





DC output side

















Applications



· Radio system backup solution

Industrial automation machinery

· Electric scooter charger

Specialty vehicles

Surveillance system

· Industrial control system







#### Features

- Multi-function single unit battery charger or power supply operation modes selectable
- Output voltage and current adjustable via potentiometer
- 3-stage charging curve for charging mode
- -30~+70°C wide operating temperature
- Multiple protections: Short circuit / Over load / Over voltage / Over temperature
- Thermal controlled DC fan for noise reduction.
- · Remote ON-OFF control
- Comply with 62368-1+60335-1/-2-29 dual certification
- · Suitable for lead-acid (Pb) batteries
- · Mechanical and electrical equipment

- GTIN CODE
  - MW Search: https://www.meanwell.com/serviceGTIN.aspx

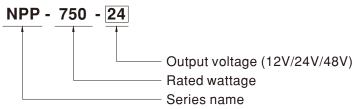
· Camping car · Buses · Heavy duty truck ·

- Carry handle accessory available (Order NO.:DS-Carry handle, sold separately)
- 3 years warranty

## Description

NPP-750 is a miniaturized dual-purpose charger and power supply. In addition to being used as a threestage charger for lead-acid batteries, it can also be used as a constant voltage output power supply to drive general load. The operating mode can be quickly switched by plugging or unplugging a connector on the front panel. Other features include: ultra-wide voltage output, adjustable voltage via VR on the panel (10.5~21V, 21~42V, 42~80V), adjustable charging current (50~100%), built-in intelligent fan with variable speed based on temperature to reduce noise and extend fan lifetime, -30~+70° C wide operating temperature, suitability for use in different environments, built-in remote ON/OFF control, compliance to IEC/EN/UL62368-1 and household EN60335-1/-2-29 dual safety, multiple built-in protections, and 3-year warranty. The NPP-750 is truly an intelligent, safe, and reliable universal dualpurpose charger and power supply with outstanding cost performance.

# Model Encoding





# **SPECIFICATION for Battery Charger mode (Default)**

	NPP-750-12	NPP-750-24	NPP-750-48		
BOOST CHARGE VOLTAGE(Vboost)(default)	14.4V	28.8V	57.6V		
FLOAT CHARGE VOLTAGE(Vfloat)(default)	13.8V	27.6V	55.2V		
VOLTAGE AD HIGTARI E DANGE	10.5 ~ 21V	21 ~ 42V	42 ~ 80V		
VOLIAGE ADJUSTABLE RANGE	By built-in potentionmeter				
MAX. OUTPUT CURRENT(CC)	43A	22.5A	11.3A		
	21.5 ~ 43A	11.25 ~ 22.5A	5.65 ~ 11.3A		
	By built-in potentionmeter				
MAX. POWER	722.4W	756W	759.36W		
RECOMMENDED BATTERY	150 . 500411	90 . 260411	40 ~ 130AH		
CAPACITY (AMP HOURS) Note.4	150 ~ 500AH	80 ~ 200AH	40 ~ 130AH		
VOLTAGE RANGE Note.5	90 ~ 264VAC 127 ~ 370VDC				
FREQUENCY RANGE	47 ~ 63Hz				
POWER FACTOR (Typ.)	·				
EFFICIENCY (Typ.) Note.6		93%	93%		
AC CURRENT (Typ.)					
( ) (					
SHORT CIRCUIT Note.7	Protection type: Constant current limiting	ı, charger will shutdown after 5 sec, re-pow	ver on to recover		
OVER VOLTAGE	21.5 ~ 26V	43 ~ 52V	82 ~ 100V		
OVER TOLINGE	71	1 0 7 1			
OVER TEMPERATURE	0 /	ically after temperature goes down			
CHARGING STAGE					
CHARGER OK SIGNAL	, , , , , , , , , , , , , , , , , , , ,		S=L(-0.5~+0.5V)		
	. , ,	7. 00 (			
REMOTE CONTROL		: Charger normal work			
FAN ON/OFF CONTROL					
WORKING TEMP.	,				
WORKING HUMIDITY	· · · · · · · · · · · · · · · · · · ·				
STORAGE TEMP., HUMIDITY					
TEMP. COEFFICIENT	±0.05%/°C (0~50°C)				
VIBRATION					
SAFETY STANDARDS	CB IEC62368-1,IEC60335-1/2-29, Dekra B	S EN/EN62368-1,BS EN/EN60335-1/2-29, U	JL62368-1, EAC TP TC 004 approved		
WITHSTAND VOLTAGE	1/P_O/P-3K\/AC 1/P_EG-2K\/AC O/P_E				
WITHOTAND VOLIAGE	1/1 - 0/1 .3KVAO 1/1 - 1 0.2KVAO 0/1 - 1				
ISOLATION RESISTANCE					
			Test Level / Note		
	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 50	0VDC / 25°C / 70% RH			
	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500 Parameter	0VDC / 25°C / 70% RH Standard	Class B		
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500 Parameter Conducted Radiated Harmonic Current	0VDC / 25°C / 70% RH  Standard  BS EN/EN55032 (CISPR32),BS EN/EN55014-1	Class B		
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500 Parameter Conducted Radiated	0VDC / 25°C / 70% RH  Standard  BS EN/EN55032 (CISPR32),BS EN/EN55014-1  BS EN/EN55032 (CISPR32),BS EN/EN55014-1	Class B Class B		
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500 Parameter Conducted Radiated Harmonic Current	0VDC / 25°C / 70% RH  Standard  BS EN/EN55032 (CISPR32),BS EN/EN55014-1  BS EN/EN61000-3-2	Class B Class B Class A		
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500 Parameter Conducted Radiated Harmonic Current Voltage Flicker	0VDC / 25°C / 70% RH  Standard  BS EN/EN55032 (CISPR32),BS EN/EN55014-1  BS EN/EN55032 (CISPR32),BS EN/EN55014-1  BS EN/EN61000-3-2  BS EN/EN61000-3-3	Class B Class B Class A		
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500 Parameter Conducted Radiated Harmonic Current Voltage Flicker Parameter	0VDC / 25°C / 70% RH  Standard  BS EN/EN55032 (CISPR32),BS EN/EN55014-1 BS EN/EN55032 (CISPR32),BS EN/EN55014-1 BS EN/EN61000-3-2 BS EN/EN61000-3-3  Standard	Class B Class B Class A Test Level / Note		
ISOLATION RESISTANCE EMC EMISSION	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500 Parameter Conducted Radiated Harmonic Current Voltage Flicker Parameter ESD	0VDC / 25°C / 70% RH  Standard  BS EN/EN55032 (CISPR32),BS EN/EN55014-1  BS EN/EN55032 (CISPR32),BS EN/EN55014-1  BS EN/EN61000-3-2  BS EN/EN61000-3-3  Standard  BS EN/EN61000-4-2	Class B Class A Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact		
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500 Parameter Conducted Radiated Harmonic Current Voltage Flicker Parameter ESD Radiated	0VDC / 25°C / 70% RH  Standard  BS EN/EN55032 (CISPR32),BS EN/EN55014-1  BS EN/EN55032 (CISPR32),BS EN/EN55014-1  BS EN/EN61000-3-2  BS EN/EN61000-3-3  Standard  BS EN/EN61000-4-2  BS EN/EN61000-4-3	Class B Class B Class A Test Level / Note Level 3, 8KV air; Level 2, 4KV contact Level 2, 3V/m Level 2, 1KV		
ISOLATION RESISTANCE EMC EMISSION	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500 Parameter Conducted Radiated Harmonic Current Voltage Flicker Parameter ESD Radiated EFT / Burst	0VDC / 25°C / 70% RH  Standard  BS EN/EN55032 (CISPR32),BS EN/EN55014-1  BS EN/EN55032 (CISPR32),BS EN/EN55014-1  BS EN/EN61000-3-2  BS EN/EN61000-3-3  Standard  BS EN/EN61000-4-2  BS EN/EN61000-4-3  BS EN/EN61000-4-4	Class B Class B Class A Test Level / Note Level 3, 8KV air; Level 2, 4KV contact Level 2, 3V/m Level 2, 1KV		
ISOLATION RESISTANCE EMC EMISSION	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500 Parameter Conducted Radiated Harmonic Current Voltage Flicker Parameter ESD Radiated EFT / Burst Surge	0VDC / 25°C / 70% RH  Standard  BS EN/EN55032 (CISPR32),BS EN/EN55014-1  BS EN/EN55032 (CISPR32),BS EN/EN55014-1  BS EN/EN61000-3-2  BS EN/EN61000-3-3  Standard  BS EN/EN61000-4-2  BS EN/EN61000-4-3  BS EN/EN61000-4-4  BS EN/EN61000-4-5	Class B Class B Class A Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2, 3V/m Level 2, 1KV Level 2, 1KV/Line-Line,Level 3, 2KV/Line-Ea		
ISOLATION RESISTANCE EMC EMISSION	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500 Parameter Conducted Radiated Harmonic Current Voltage Flicker Parameter ESD Radiated EFT / Burst Surge Conducted	0VDC / 25°C / 70% RH  Standard  BS EN/EN55032 (CISPR32),BS EN/EN55014-1  BS EN/EN55032 (CISPR32),BS EN/EN55014-1  BS EN/EN61000-3-2  BS EN/EN61000-3-3  Standard  BS EN/EN61000-4-2  BS EN/EN61000-4-3  BS EN/EN61000-4-4  BS EN/EN61000-4-5  BS EN/EN61000-4-5  BS EN/EN61000-4-6	Class B Class B Class A Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2, 3V/m Level 2, 1KV Level 2, 1KV/Line-Line,Level 3, 2KV/Line-Ea Level 2, 3V/ms Level 1, 1A/m		
ISOLATION RESISTANCE EMC EMISSION	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500 Parameter Conducted Radiated Harmonic Current Voltage Flicker Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field	0VDC / 25°C / 70% RH  Standard  BS EN/EN55032 (CISPR32),BS EN/EN55014-1 BS EN/EN55032 (CISPR32),BS EN/EN55014-1 BS EN/EN61000-3-2 BS EN/EN61000-3-3  Standard  BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-8 BS EN/EN61000-4-11	Class B Class B Class A Test Level / Note Level 3, 8KV air; Level 2, 4KV contact Level 2, 3V/m Level 2, 1KV/Line-Line, Level 3, 2KV/Line-Ea Level 2, 3Vrms Level 1, 1A/m >95% dip 0.5 periods, 30% dip 25 periods >95% interruptions 250 periods		
EMC EMISSION  EMC IMMUNITY	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500 Parameter Conducted Radiated Harmonic Current Voltage Flicker Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 883.5K hrs min. Telcordia SR-332 (Bel	0VDC / 25°C / 70% RH  Standard  BS EN/EN55032 (CISPR32),BS EN/EN55014-1 BS EN/EN55032 (CISPR32),BS EN/EN55014-1 BS EN/EN61000-3-2 BS EN/EN61000-3-3  Standard  BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-8 BS EN/EN61000-4-11	Class B Class B Class A Test Level / Note Level 3, 8KV air; Level 2, 4KV contact Level 2, 3V/m Level 2, 1KV/Line-Line, Level 3, 2KV/Line-Ea Level 2, 3Vrms Level 1, 1A/m >95% dip 0.5 periods, 30% dip 25 periods >95% interruptions 250 periods		
EMC EMISSION  EMC IMMUNITY	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500 Parameter Conducted Radiated Harmonic Current Voltage Flicker Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions	0VDC / 25°C / 70% RH  Standard  BS EN/EN55032 (CISPR32),BS EN/EN55014-1 BS EN/EN55032 (CISPR32),BS EN/EN55014-1 BS EN/EN61000-3-2 BS EN/EN61000-3-3  Standard  BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5 BS EN/EN61000-4-6 BS EN/EN61000-4-8 BS EN/EN61000-4-8 BS EN/EN61000-4-11	Class B Class B Class A Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2, 3V/m Level 2, 1KV/ Level 2, 1KV/Line-Line,Level 3, 2KV/Line-Ea Level 2, 3V/ms Level 1, 1A/m >95% dip 0.5 periods, 30% dip 25 periods >95% interruptions 250 periods		
	VOLTAGE ADJUSTABLE RANGE  MAX. OUTPUT CURRENT(CC) CURRENT ADJUSTABLE RANGE Note.3  MAX. POWER RECOMMENDED BATTERY CAPACITY (AMPHOURS) Note.4  VOLTAGE RANGE POWER FACTOR (Typ.) EFFICIENCY (Typ.) Note.6  AC CURRENT (Typ.) INRUSH CURRENT (Typ.) SHORT CIRCUIT OVER VOLTAGE OVER TEMPERATURE CHARGING STAGE CHARGER OK SIGNAL BATTERY FULL SIGNAL REMOTE CONTROL WORKING TEMP. WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS	VOLTAGE ADJUSTABLE RANGE  MAX. OUTPUT CURRENT(CC) 43A  CURRENT ADJUSTABLE RANGE  Note.3  MAX. POWER  RECOMMENDED BATTERY CAPACITY (AMP HOURS) Note.4  VOLTAGE RANGE  POWER FACTOR (Typ.)  EFFICIENCY (Typ.)  Note.6  AC CURRENT (Typ.)  INRUSH CURRENT (Typ.)  SHORT CIRCUIT  Note.7  OVER VOLTAGE  OVER TEMPERATURE  CHARGING STAGE  CHARGER OK SIGNAL  BATTERY FULL SIGNAL  REMOTE CONTROL  WORKING TEMP.  WORKING TEMP.  WORKING TEMP.  WORKING TEMP.  WORKING HUMIDITY  TEMP. COEFFICIENT  10 × 500Hz  21.5 ~ 21V  By built-in potentionmeter  43A  21.5 ~ 43A  By built-in potentionmeter  150 ~ 43A  21.5 ~ 43A  By built-in potentionmeter  150 ~ 500AH  21.5 ~ 370VDC  4A/230VAC  4A/230VAC  4A/230VAC  4A/230VAC  1INUSH CURRENT (Typ.)  COLD START 50A at 230VAC  Protection type: Constant current limiting 21.5 ~ 26V  Protection type: Shut down and latch off of the complex of	NOLTAGE ADJUSTABLE RANGE		

% Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx

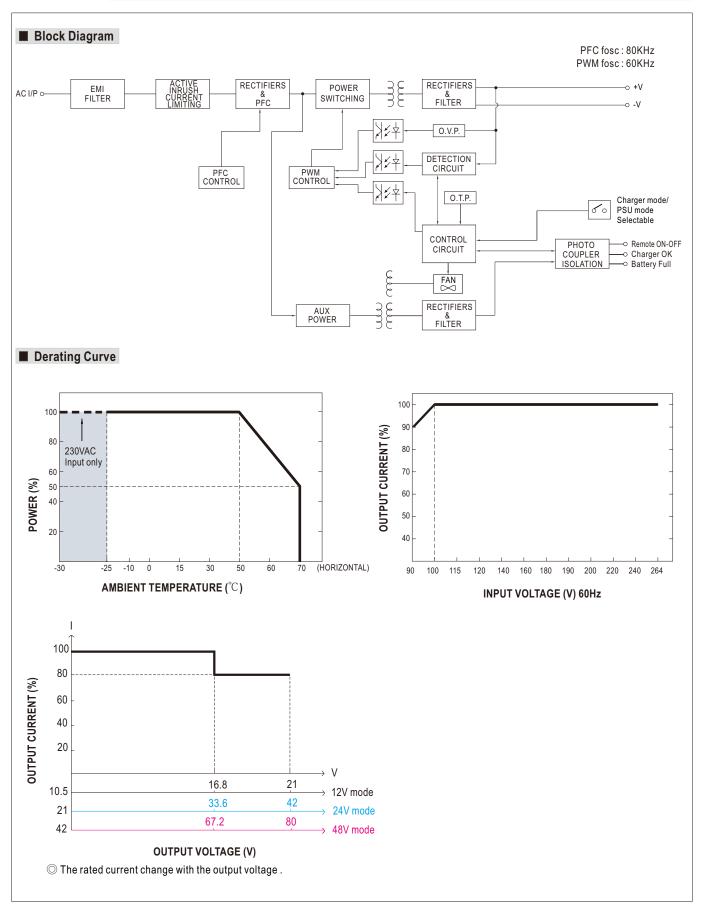


#### SPECIFICATION for Power Supply mode (Selectable via pin3 & 4 jumper of 14pins connector on panel)

JI E 0 11 10	ATTOM TOT T OWE! Ouppi	y mode (ocicotable via pino	a + jumper or 1+pms connector o	ii pailel)
MODEL		NPP-750-12	NPP-750-24	NPP-750-48
	DC VOLTAGE	14.4V	28.8V	57.6V
		10.5 ~ 21V	21 ~ 42V	42 ~ 80V
	VOLTAGE ADJUSTABLE RANGE	By built-in potentionmeter		
	CURRENT ADJUSTABLE RANGE	21.5 ~ 43A	11.25 ~ 22.5A	5.65 ~ 11.3A
	RATED CURRENT	43A	22.5A	11.3A
	RATED POWER	722.4W	756W	759.36W
OUTPUT	RIPPLE & NOISE(max.)	180mVp-p	300mVp-p	480mVp-p
	VOLTAGE TOLERANCE	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.5%
	LOAD REGULATION	±1.0%	±1.0%	±0.5%
	SETUP, RISE TIME	1800ms, 60ms/230VAC at full load	= 1.070	20.070
	HOLD UP TIME (Typ.)	16ms/230VAC at 75% load 10ms/230	0VAC at full load	
	, , ,	90 ~ 264VAC 127 ~ 370VDC	OVAC at full load	
	FREQUENCY RANGE	47 ~ 63Hz		
			at full load	
INPUT	POWER FACTOR (Typ.)	PF>0.98/115VAC, PF>0.95/230VAC a		020/
	EFFICIENCY (Typ.)	92%	93%	93%
	AC CURRENT (Typ.)	8.7A/115VAC 4A/230VAC		
	INRUSH CURRENT (Typ.)	COLD START 50A at 230VAC		
	OVERLOAD	105 ~ 115% rated output power		
		**	ing, unit will shutdown after 5 sec, re-power on to	
PROTECTION	SHORT CIRCUIT		niting, unit will shutdown after 5 sec, re-power o	
	OVER VOLTAGE	21.5 ~ 26V	43 ~ 52V	82 ~ 100V
	OVER VOLINGE		off o/p voltage, re-power on to recover	
	OVER TEMPERATURE	Shut down O/P voltage, recovers auto	omatically after temperature goes down	
	REMOTE CONTROL	Open : Power OFF Short : Power		
FUNCTION	DC OK	The TTL signal out, DC OK = H(4.5 ~ 5	5.5V); Power supply failure or protection = L(-0	).5 ~ +0.5V)
	FAN SPEED CONTROL	Depends on internal temperature		
	WORKING TEMP.	-30 ~ +70°C (Refer to "Derating Curve	e")	
	WORKING HUMIDITY	20 ~ 95% RH non-condensing		
ENVIRONMENT	STORAGE TEMP., HUMIDITY	$-40 \sim +85^{\circ}$ C, $10 \sim 95\%$ RH non-condensing		
	TEMP. COEFFICIENT	±0.05%/°C (0~50°C)		
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes		
	SAFETY STANDARDS	<u> </u>	kra BS EN/EN62368-1,BS EN/EN60335-1/2-29, U	JL62368-1, EAC TP TC 004 approved
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O	· · · · · · · · · · · · · · · · · · ·	, <u> </u>
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms		
	IOOLATION REGISTANCE	Parameter	Standard	Test Level / Note
		Conducted	BS EN/EN55032 (CISPR32),BS EN/EN55014-1	
	EMC EMISSION	Radiated	BS EN/EN55032 (CISPR32),BS EN/EN55014-1	
	EWIC EWISSION	Harmonic Current	BS EN/EN61000-3-2	Class A
			BS EN/EN61000-3-2	Class A
SAFETY &		Voltage Flicker		Total cond/Note
EMC		Parameter	Standard	Test Level / Note
(Note 4)		ESD	BS EN/EN61000-4-2	Level 3, 8KV air ; Level 2, 4KV contact
		Radiated	BS EN/EN61000-4-3	Level 2, 3V/m
	EMC IMMUNITY	EFT / Burst	BS EN/EN61000-4-4	Level 2, 1KV
		Surge	BS EN/EN61000-4-5	Level 2, 1KV/Line-Line,Level 3, 2KV/Line-Ea
		Conducted	BS EN/EN61000-4-6	Level 2, 3Vrms
		Magnetic Field	BS EN/EN61000-4-8	Level 1, 1A/m
		Voltage Dips and Interruptions	BS EN/EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 period >95% interruptions 250 periods
	MTBF	883.5K hrs min. Telcordia SR-332	(Bellcore); 95.7K hrs min. MIL-HDBK-2	.17F (25°C)
OTHERS	DIMENSION	230*158*67mm (L*W*H)		
	PACKING	1.84Kg; 4pcs/ 9Kg / 1.63CUFT		
NOTE	<ol> <li>Modification for charger specification may be required for different battery specification. Please contact battery vendor and MEAN WELL for details.</li> <li>All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>Derating may be needed under low input voltages. Please check the derating curve for more details.</li> <li>The PSU is considered a component which will be installed into a final equipment. All the radiation tests require an additional 13*26*30 NIZN magnetic clasp or magnetic ring to the output line for CLASS B and without NIZN magnetic clasp or magnetic ring for CLASS A. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplied."</li> </ol>			n additional 13*26*30 NIZN magnetic SS A. The final equipment must be
	(as available on http://www.	meanwell.com)	odels and of $5^{\circ}$ C/1000m with fan models for ope	

% Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx







# ■ Function Manual

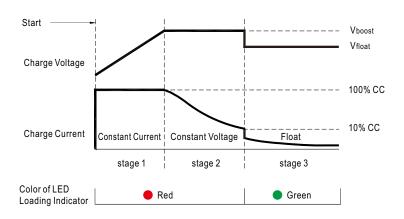
#### 1. Battery Charger or Power Supply Operation modes selectable via pin3 and pin4 jumper

Between pin3 and pin4	Operation modes
Jumper connected	Power supply mode
Jumper removed	Battery charger mode (Default)



#### 2. Charging Curve (Charging Mode)

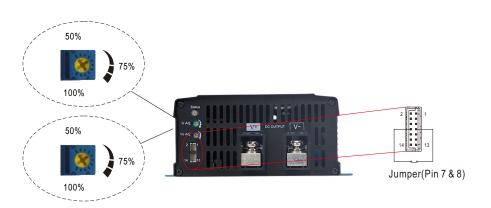
#### © 3 stage charging curve



State	NPP-750-12	NPP-750-24	NPP-750-48
Constant Current	43A	22.5A	11.3A
Vboost	14.4V	28.8V	57.6V
Vfloat	13.8V	27.6V	55.2V

O Suitable for lead-acid batteries (flooded, Gel and AGM)





※ V₀ x I₀ must be less than or equal to the rated power. Please refer to derating curve (page 4).

#### 3. Charger OK / DC OK Signal

Charger OK / DC OK signal is a TTL level signal.

The maximum sourcing current is 10mA.

Charger OK / DC OK signal	Charger status
"High": 4.5 ~ 5.5V	Work normally
"Low": -0.5 ~ 0.5V	Failure or protection function activated



## 4.Remote ON-OFF Control

The NPP-750 can be turned ON/OFF by using the "Remote Control" function.

Between pin7 remote ON-OFF and pin8 +12Vaux	Charger status
Short ( Pin 7 = 10.8 ~ 13.2V)	ON (Default)
Open ( Pin 7 = -0.5 ~ 0.5V)	OFF





# ■ Mechanical Specification Case No.285A Unit:mm lo Adj. Vo Adj. 50% 50% 100% 100% V+ (O 138 158

## $\frak{\%}$ Connector Pin No. Assignment : HRS DF11-14DP-2DS or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1,2,11~14	NC		
3,4	Battery Charger or Power Supply mode selectable		
5	Battery Full	HRS DF11-14DS	HRS DF11-**SC
6	Charger OK (Charger mode) or DC OK (Power supply mode)	or equivalent	or equivalent
	11.7		
- /	Remote ON-OFF		
8	+12V-AUX		
9,10	GND-AUX		

#### ※ LED Status Table

Charger (Default)			
LED Indicator	Status		
Green	Float stage (stage 3) or full charged		
Red	Charging (stage 1 or stage 2)		
O No Light Abnormal			
Power supply mode			
LED Indicator	Status		
Green	Normal working		
O No Light	Abnormal		



 $\ensuremath{\mathbb{X}}$  Control Pin No. Assignment : HRS DF11-14DP-2DS or equivalent

2	1
14	13

Mating Housing	HRS DF11-14DS or equivalent
Terminal	HRS DF11-**SC or equivalent

Pin No.	Function	Description
1,2,11~14	NC	
3,4	Battery charger / Power supply	Open: Battery charger, Color of LED loading indicator: Reference to battery charger. Short: Power supply, Color of LED loading indicator :Green.
5	Battery Full	Battery Full Signal, referenced to GND-AUX(Pin 9 & 10). The Signal is a TTL level signal. The maximum sourcing current is 10mA and only for output.(Note.2) Low (-0.5 ~ 0.5V): When the battery is charging. High (4.5 ~ 5.5V): When the battery is full.
6	Charger OK / DC OK	Charger OK / DC OK Signal, referenced to GND-AUX(Pin 9 & 10).  The Signal is a TTL level signal. The maximum sourcing current is 10mA and only for output.(Note.2)  Low (-0.5 ~ 0.5V): When the charger fails or the protect function is activating.  High (4.5 ~ 5.5V): When the charger is working properly.
7	Remote ON-OFF	Remote charger ON/OFF Function. The charger can turn the output ON/OFF by dry contact between Remote ON-OFF and +12V-AUX.(Note.2) Short (10.8 ~ 13.2V): Charger ON; Open(-0.5 ~ 0.5V): Charger OFF; The maximum input voltage is 13.2V.
8	+12V-AUX	It is controlled by the Remote ON-OFF control.
9,10	GND-AUX	The signal return is isolated from the output terminal. (+V & -V)

Note1: Non-isolated signal, referenced to [GND(signal)].

Note2: Isolated signal, referenced to GND-AUX

# ■ Accessory List

💥 Battery Charger or Power Supply mode of pin 3 and pin 4 mating pin along with NPP-750 (Standard accessory)

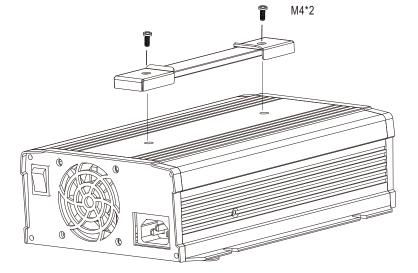
Pin 3 and Pin 4 mating pin	Quantity
1FF1HMJ20-020-95BS or equivalent	1



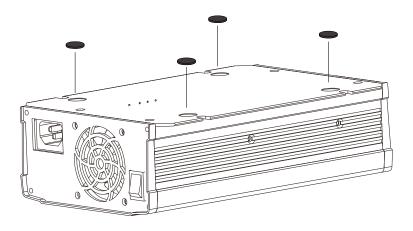
 $\frak{\%}$  Carry handle (Optional accessory, battery charger and pull handle should be ordered seperately)

MW's Order No.	Item		Quantity
DS-Carry Handle	1	Handle	1
	2	Foot pad	4
	3	Screw	2





# 2 Foot pad



# ■ INSTALLATION MANUAL

Please refer to : http://www.meanwell.com/manual.html

# **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Desktop AC Adapters category:

Click to view products by Mean Well manufacturer:

Other Similar products are found below:

212A2136 SWA-1202 SWA-1501 212A2220 432703037451 KR8-PS01 1894875 820A4080G 825A0057-03 SWA-1704W TRH21A120-49E03-Level-VI FWC100024A-11A FWE050012B-10A FWA065024A-11A PSA120U-560L6 1895235 PW-C0725-W2-B 57-U1 57-U2 TWN4 MIFARE NFC USB ADAPTE SED80N2-16.0 SED80N3-16.0 96PSA-A36W12R1-3 NPB-360-12XLR NPB-750-24 DTE150-24SX-F-W6 96PSA-A60W12V1-4 63040-010036-210-RS FWE050012A-10A 96PSA-A60W12W7-3 96PSA-A100W18D4-M3 63040-010120-210-RS 96PSA-A60W12R1-3 160W MEANWELL,GST160A24-AD,24V,6.67A MCS65US12-D9 TRH50A240-26E03 VI 51516 50015 50051 51512 50084 51518 PRO9024C13 50072 50052 50093 50011 51033 PRO9024C13-2555S 50795