



































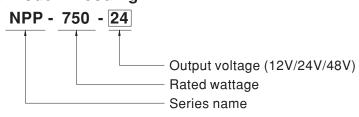
■ Features

- 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
- 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 three-stage 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 dual-purpose charger and power supply with outstanding cost performance.

■ Model Encoding



Applications

- · Radio system backup solution
- · Electric scooter charger
- Camping car

 Buses

 Heavy duty truck

 Specialty vehicles
- Surveillance system
- Industrial automation machinery
- · Industrial control system
- · Mechanical and electrical equipment



SPECIFICATION for Battery Charger mode (Default)

MODEL		NPP-750-12	NPP-750-24	NPP-750-48		
	BOOST CHARGE VOLTAGE(Vboost)(default)	14.4V 2	28.8V	57.6V		
	FLOAT CHARGE VOLTAGE(Vfloat)(default)	13.8V 2	27.6V	55.2V		
	VOLTAGE AD INSTADI E DANGE	10.5 ~ 21V	21 ~ 42V	42 ~ 80V		
	VOLTAGE ADJUSTABLE RANGE	By built-in potentionmeter				
	MAX. OUTPUT CURRENT(CC)	43A 2	22.5A	11.3A		
OUTPUT	CURRENT ADJUSTABLE RANGE	21.5 ~ 43A	11.25 ~ 22.5A	5.65 ~ 11.3A		
	Note.3	By built-in potentionmeter				
	MAX. POWER	722.4W 7	756W	759.36W		
	RECOMMENDED BATTERY	150 ~ 500AH 8	30 ~ 260AH	40 ~ 130AH		
	CAPACITY (AMP HOURS) Note.4		50 ~ 200AH	40 ~ 130AH		
	VOLTAGE RANGE Note.5	90 ~ 264VAC 127 ~ 370VDC				
	FREQUENCY RANGE	47 ~ 63Hz				
INPUT	POWER FACTOR (Typ.)	PF>0.98/115VAC, PF>0.95/230VAC at full I				
	EFFICIENCY (Typ.) Note.6		93%	93%		
	AC CURRENT (Typ.)	8.7A/115VAC 4A/230VAC				
	INRUSH CURRENT (Typ.)	COLD START 50A at 230VAC				
	SHORT CIRCUIT Note.7	Protection type: Constant current limiting,				
PROTECTION	OVER VOLTAGE		13 ~ 52V	82 ~ 100V		
		Protection type: Shut down and latch off o/				
	OVER TEMPERATURE	Shut down O/P voltage, recovers automatic	ally after temperature goes down			
	CHARGING STAGE	3 stage only	500 00 00 00 00 00 00 00 00 00 00 00 00	-1/05 1050		
FUNCTION	CHARGER OK SIGNAL	The TTL signal out, Charger OK = H(4.5 ~ 5		S=L(-0.5~+0.5V)		
	BATTERY FULL SIGNAL	The TTL signal out, Battery full = H(4.5 ~ 5.	7· 0 0 1			
	REMOTE CONTROL	1 0 1 0 0	Charger normal work			
	FAN ON/OFF CONTROL	Depends on internal temperature				
	WORKING TEMP.	-30 ~ +70°C (Refer to "Derating Curve")				
	WORKING HUMIDITY	20 ~ 95% RH non-condensing				
ENVIRONMENT	STORAGE TEMP., HUMIDITY					
	TEMP. COEFFICIENT	±0.05%/°C (0~50°C)				
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes				
	SAFETY STANDARDS	CB IEC62368-1,IEC60335-1/2-29, Dekra BS		JL62368-1, EAC TP TC 004 approved		
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG				
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500\		Total cont/Note		
			Standard BS EN/EN55032 (CISPR32),BS EN/EN55014-1	Test Level / Note Class B		
	EMC EMISSION		, ,,			
	EMC EMISSION		BS EN/EN55032 (CISPR32),BS EN/EN55014-1 BS EN/EN61000-3-2	Class B Class A		
			BS EN/EN61000-3-3	Class A		
SAFFTY &		Valtaga Eliakar				
				Toot Level / Note		
EMC		Parameter	Standard	Test Level / Note		
EMC		Parameter :	Standard BS EN/EN61000-4-2	Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact		
EMC		Parameter : ESD : Radiated :	Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3	Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2, 3V/m		
EMC	EMC IMMUNITY	Parameter : ESD : Radiated : EFT / Burst :	Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4	Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2, 3V/m Level 2, 1KV		
EMC	EMC IMMUNITY	Parameter : ESD : Radiated : EFT / Burst : Surge :	Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5	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		
EMC	EMC IMMUNITY	Parameter : ESD : Radiated : EFT / Burst : Surge : Conducted :	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	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, 3Vrms		
EMC	EMC IMMUNITY	Parameter : ESD : Radiated : EFT / Burst : Surge : Conducted :	Standard BS EN/EN61000-4-2 BS EN/EN61000-4-3 BS EN/EN61000-4-4 BS EN/EN61000-4-5	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, 3Vrms Level 1, 1A/m		
EMC	EMC IMMUNITY	Parameter : ESD : Radiated : EFT / Burst : Surge : Conducted : Magnetic Field :	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	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, 3Vrms Level 1, 1A/m		
EMC	EMC IMMUNITY MTBF	Parameter : ESD : Radiated : EFT / Burst : Surge : Conducted : Magnetic Field :	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/EN61000-4-11	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, 3Vrms Level 1, 1A/m >95% dip 0.5 periods, 30% dip 25 periods >95% interruptions 250 periods		
EMC (Note 8)		Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions	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/EN61000-4-11	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, 3Vrms Level 1, 1A/m >95% dip 0.5 periods, 30% dip 25 periods >95% interruptions 250 periods		
EMC (Note 8)	мтвғ	Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 294.5K hrs min. Telcordia SR-332 (Belloc	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/EN61000-4-11	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-Ear Level 2, 3Vrms Level 1, 1A/m >95% dip 0.5 periods, 30% dip 25 period >95% interruptions 250 periods		
EMC (Note 8)	MTBF DIMENSION PACKING	Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 294.5K hrs min. Telcordia SR-332 (Bellot 230*158*67mm (L*W*H)	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/EN61000-4-11 Sore); 95.7K hrs min. MIL-HDBK-2	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, 3Vrms Level 1, 1A/m >95% dip 0.5 periods, 30% dip 25 period >95% interruptions 250 periods		
EMC (Note 8)	MTBF DIMENSION PACKING 1. Modification for charger spe	Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 294.5K hrs min. Telcordia SR-332 (Bellot 230*158*67mm (L*W*H) 1.84Kg; 4pcs/9Kg / 1.63CUFT	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/EN61000-4-11 core); 95.7K hrs min. MIL-HDBK-2 specification. Please contact battery vence	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, 3Vrms Level 1, 1A/m >95% dip 0.5 periods, 30% dip 25 period >95% interruptions 250 periods		
EMC (Note 8)	MTBF DIMENSION PACKING 1. Modification for charger spe 2. All parameters NOT speciall 3. Float charge voltage(Vfloat)	Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 294.5K hrs min. Telcordia SR-332 (Bello 230*158*67mm (L*W*H) 1.84Kg; 4pcs/9Kg / 1.63CUFT cification may be required for different battery y mentioned are measured at 230VAC input, adjustable via potentiomerter in battery charge	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/EN61000-4-11 core); 95.7K hrs min. MIL-HDBK-2 specification. Please contact battery veno rated load and 25°C of ambient temperativer mode.	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, 3Vrms Level 1, 1A/m >95% dip 0.5 periods, 30% dip 25 period >95% interruptions 250 periods 1.17F (25°C) dor and MEAN WELL for details. ure.		
EMC (Note 8)	MTBF DIMENSION PACKING 1. Modification for charger spe 2. All parameters NOT speciall 3. Float charge voltage(Vfloat) 4. This is MEAN WELL's sugg	Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 294.5K hrs min. Telcordia SR-332 (Bello 230*158*67mm (L*W*H) 1.84Kg; 4pcs/ 9Kg / 1.63CUFT cification may be required for different battery ymentioned are measured at 230VAC input, adjustable via potentiomerter in battery chargested range. Please consult your battery mar	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/EN61000-4-11 core); 95.7K hrs min. MIL-HDBK-2 specification. Please contact battery vence rated load and 25°C of ambient temperativer mode. nufacturer for their suggestions about max	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, 3Vrms Level 1, 1A/m >95% dip 0.5 periods, 30% dip 25 period >95% interruptions 250 periods 1.17F (25°C) dor and MEAN WELL for details. ure.		
EMC (Note 8)	MTBF DIMENSION PACKING 1. Modification for charger spe 2. All parameters NOT speciall 3. Float charge voltage(Vfloat) 4. This is MEAN WELL's sugg 5. Derating may be needed un	Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 294.5K hrs min. Telcordia SR-332 (Bello 230*158*67mm (L*W*H) 1.84Kg; 4pcs/ 9Kg / 1.63CUFT cification may be required for different battery ymentioned are measured at 230VAC input, adjustable via potentiomerter in battery chargested range. Please consult your battery mar der low input voltages. Please check the deri	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/EN61000-4-11 core); 95.7K hrs min. MIL-HDBK-2 specification. Please contact battery vence rated load and 25°C of ambient temperative remode. nufacturer for their suggestions about maxiating curve for more details.	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, 3Vrms Level 1, 1A/m >95% dip 0.5 periods, 30% dip 25 periods >95% interruptions 250 periods 1.17F (25°C) dor and MEAN WELL for details. ure. imum charging current limitation.		
EMC (Note 8)	MTBF DIMENSION PACKING 1. Modification for charger spe 2. All parameters NOT speciall 3. Float charge voltage(Vfloat) 4. This is MEAN WELL's sugg 5. Derating may be needed un 6. The efficiency is measured a	Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 294.5K hrs min. Telcordia SR-332 (Bello 230*158*67mm (L*W*H) 1.84Kg; 4pcs/ 9Kg / 1.63CUFT cification may be required for different battery ymentioned are measured at 230VAC input, adjustable via potentiomerter in battery chargested range. Please consult your battery mar	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/EN61000-4-11 core); 95.7K hrs min. MIL-HDBK-2 specification. Please contact battery vence rated load and 25°C of ambient temperate per mode. nufacturer for their suggestions about maxing curve for more details. harge voltage(24V model), 67.2V charge	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, 3Vrms Level 1, 1A/m >95% dip 0.5 periods, 30% dip 25 periods >95% interruptions 250 periods 1.17F (25°C) dor and MEAN WELL for details. ure. imum charging current limitation.		
SAFETY & EMC (Note 8) OTHERS	MTBF DIMENSION PACKING 1. Modification for charger spe 2. All parameters NOT speciall 3. Float charge voltage(Vfloat) 4. This is MEAN WELL's sugg 5. Derating may be needed un 6. The efficiency is measured and the following special services of the protection mechanism in the protection of the protec	Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 294.5K hrs min. Telcordia SR-332 (Bello 230*158*67mm (L*W*H) 1.84Kg; 4pcs/ 9Kg / 1.63CUFT cification may be required for different battery y mentioned are measured at 230VAC input, adjustable via potentiomerter in battery chargested range. Please consult your battery mar der low input voltages. Please check the deratt 16.8V charge voltage(12V model), 33.6V ci	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/EN61000-4-11 core); 95.7K hrs min. MIL-HDBK-2 specification. Please contact battery vence rated load and 25°C of ambient temperate per mode. nufacturer for their suggestions about maximum acting curve for more details. harge voltage(24V model), 67.2V charge rafter the charger is turned on.	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, 3Vrms Level 1, 1A/m >95% dip 0.5 periods, 30% dip 25 periods >95% interruptions 250 periods 1.17F (25°C) dor and MEAN WELL for details. ure. imum charging current limitation. voltage(48V model).		
EMC (Note 8)	MTBF DIMENSION PACKING 1. Modification for charger spe 2. All parameters NOT speciall 3. Float charge voltage(Vfloat) 4. This is MEAN WELL's sugg 5. Derating may be needed un 6. The efficiency is measured and the efficiency is measured and the efficiency is measured and the efficiency is considered and the efficiency is conside	Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 294.5K hrs min. Telcordia SR-332 (Bello 230*158*67mm (L*W*H) 1.84Kg; 4pcs/ 9Kg / 1.63CUFT cification may be required for different battery ymentioned are measured at 230VAC input, adjustable via potentiomerter in battery chargested range. Please consult your battery mar der low input voltages. Please check the deratt 16.8V charge voltage(12V model), 33.6V cis specified for the case the short circuit occur.	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/EN61000-4-11 core); 95.7K hrs min. MIL-HDBK-2 specification. Please contact battery vence rated load and 25°C of ambient temperate per mode. nufacturer for their suggestions about maxing curve for more details. harge voltage(24V model), 67.2V charge ris after the charger is turned on. I equipment. All the radiation tests require	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, 3Vrms Level 1, 1A/m >95% dip 0.5 periods, 30% dip 25 periods >95% interruptions 250 periods 1.17F (25°C) dor and MEAN WELL for details. ure. imum charging current limitation. voltage(48V model).		
EMC (Note 8) OTHERS	MTBF DIMENSION PACKING 1. Modification for charger spe 2. All parameters NOT speciall 3. Float charge voltage(Vfloat) 4. This is MEAN WELL's sugg 5. Derating may be needed un 6. The efficiency is measured and the efficiency is measured and the efficiency is considered and clasp or magnetic ring to the	Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 294.5K hrs min. Telcordia SR-332 (Belloca) 230*158*67mm (L*W*H) 1.84Kg; 4pcs/9Kg / 1.63CUFT cification may be required for different battery ymentioned are measured at 230VAC input, adjustable via potentiomerter in battery chargested range. Please consult your battery market low input voltages. Please check the dereat 16.8V charge voltage(12V model), 33.6V class specified for the case the short circuit occur component which will be installed into a final	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/EN61000-4-11 core); 95.7K hrs min. MIL-HDBK-2 specification. Please contact battery vence rated load and 25°C of ambient temperate per mode. nufacturer for their suggestions about maxing curve for more details. harge voltage(24V model), 67.2V charge rafter the charger is turned on. I equipment. All the radiation tests require magnetic clasp or magnetic ring for CLAS	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, 3Vrms Level 1, 1A/m >95% dip 0.5 periods, 30% dip 25 periods >95% interruptions 250 periods 1.17F (25°C) dor and MEAN WELL for details. ure. imum charging current limitation. voltage(48V model). an additional 13*26*30 NIZN magnetic SS A. The final equipment must be		
EMC (Note 8) OTHERS	MTBF DIMENSION PACKING 1. Modification for charger spe 2. All parameters NOT speciall 3. Float charge voltage(Vfloat) 4. This is MEAN WELL's sugg 5. Derating may be needed ur 6. The efficiency is measured a 7. This protection mechanism is 8. The charger is considered a clasp or magnetic ring to the re-confirmed that it still meet (as available on http://www.i	Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruptions 294.5K hrs min. Telcordia SR-332 (Belloca) 230*158*67mm (L*W*H) 1.84Kg; 4pcs/9Kg / 1.63CUFT cification may be required for different battery ymentioned are measured at 230VAC input, adjustable via potentiomerter in battery chargested range. Please consult your battery market 16.8V charge voltage(12V model), 33.6V class specified for the case the short circuit occur component which will be installed into a final eroutput line for CLASS B and without NIZN is EMC directives. For guidance on how to pe	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/EN61000-4-11 core); 95.7K hrs min. MIL-HDBK-2 specification. Please contact battery vence rated load and 25°C of ambient temperative mode. The specification and the specification are details. The specification are details. The specification are details. The specification are details after the charger is turned on. If equipment. All the radiation tests require magnetic clasp or magnetic ring for CLAS erform these EMC tests, please refer to "Exercise the specific tests, please refer to "Exercise tests".	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, 3Vrms Level 1, 1A/m >95% dip 0.5 periods, 30% dip 25 periods 95% interruptions 250 periods 17F (25°C) dor and MEAN WELL for details. ure. dimum charging current limitation. voltage(48V model). e an additional 13*26*30 NIZN magnetic SS A. The final equipment must be EMI testing of component power supplies		

 $\begin{tabular}{ll} \hline \& Product\ Liability\ Disclaimer: For\ detailed\ information,\ please\ refer\ to\ https://www.meanwell.com/serviceDisclaimer.aspx \end{tabular}$

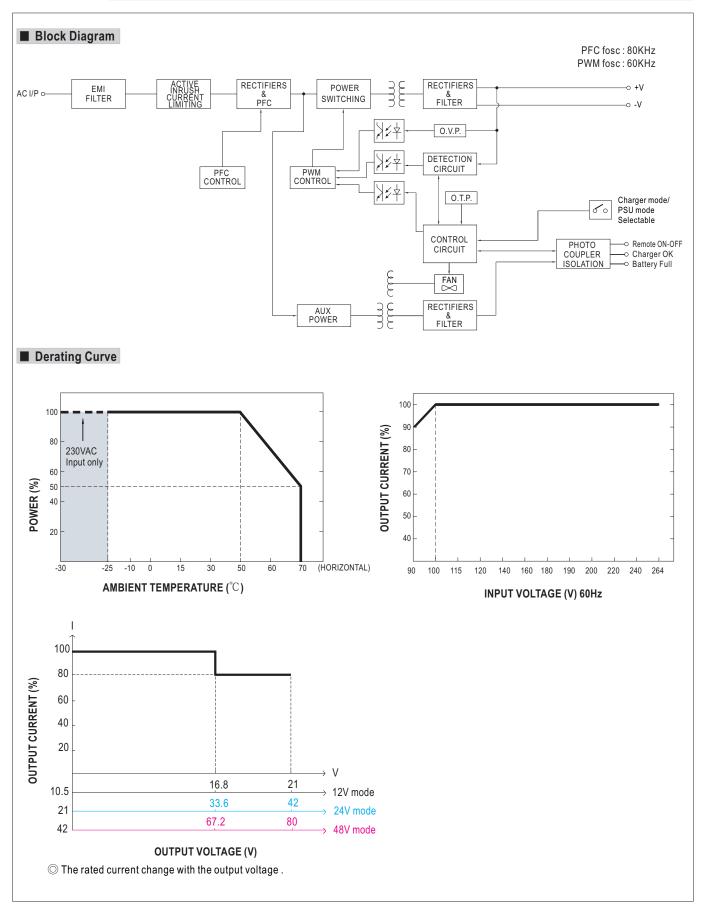


SPECIFICATION for Power Supply mode (Selectable via pin3 & 4 jumper of 14pins connector on panel)

J. 101110	Allen ioi i onoi ouppi	y mode (ocicotable via pino	a + jumper or 1+pm3 connector o	ii paiioi)	
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		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			
	HOLD UP TIME (Typ.)				
		90 ~ 264VAC 127 ~ 370VDC			
	FREQUENCY RANGE	47 ~ 63Hz			
	POWER FACTOR (Typ.)	PF>0.98/115VAC, PF>0.95/230VAC at	full load		
NPUT	EFFICIENCY (Typ.)	92%	93%	93%	
	AC CURRENT (Typ.)	8.7A/115VAC 4A/230VAC	0070	0070	
	INRUSH CURRENT (Typ.)	COLD START 50A at 230VAC			
	mittoon ookkent (13p.)	105 ~ 115% rated output power			
	OVERLOAD	· ·	g, unit will shutdown after 5 sec, re-power on to	recover	
	SHORT CIRCUIT	* *	ing, unit will shutdown after 5 sec, re-power o		
PROTECTION	OHORI OHOOTI	21.5 ~ 26V	43 ~ 52V	82 ~ 100V	
	OVER VOLTAGE	Protection type: Shut down and latch of	1	02 - 100 V	
	OVER TEMPERATURE	Shut down O/P voltage, recovers auton			
	REMOTE CONTROL	-			
FUNCTION	DC OK	Open: Power OFF Short: Power ON The TTL signal out, DC OK = $H(4.5 \sim 5.5V)$; Power supply failure or protection = $L(-0.5 \sim +0.5V)$			
ONOTION	FAN SPEED CONTROL	Depends on internal temperature	5V), Fower supply failure of protection – L(-t	J.5 ~ +0.5 v)	
		-30 ~ +70°C (Refer to "Derating Curve")			
	WORKING TEMP.	20 ~ 95% RH non-condensing			
ENVIRONMENT	WORKING HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH non-condensing			
ENVIRONMENT		±0.05%/°C (0 ~ 50°C)			
	TEMP. COEFFICIENT				
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min.	each along X, Y, Z axes a BS EN/EN62368-1,BS EN/EN60335-1/2-29, U	U COOCO 4 FACTRIC CO4 consoled	
	SAFETY STANDARDS	I/P-O/P:3KVAC I/P-FG:2KVAC O/I	<u> </u>	DL62366-1, EAC 1P 1C 004 approved	
	WITHSTAND VOLTAGE				
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / Parameter	Standard	Test Level / Note	
	EMO EMICOLONI	Conducted	BS EN/EN55032 (CISPR32),BS EN/EN55014-1		
	EMC EMISSION	Radiated	BS EN/EN55032 (CISPR32),BS EN/EN55014-1		
		Harmonic Current	BS EN/EN61000-3-2	Class A	
SAFETY &		Voltage Flicker	BS EN/EN61000-3-3		
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	294.5K hrs min. Telcordia SR-332 (I	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	All parameters NOT special Derating may be needed ur The PSU is considered a collasp or magnetic ring to the re-confirmed that it still mee	ly mentioned are measured at 230VAC in nder low input voltages. Please check the component which will be installed into a fir e output line for CLASS B and without N ts EMC directives. For guidance on how	attery specification. Please contact battery ven- nput, rated load and 25°C of ambient tempera e derating curve for more details. nal equipment. All the radiation tests require a IIZN magnetic clasp or magnetic ring for CLA to perform these EMC tests, please refer to "	ture. n additional 13*26*30 NIZN magnetic SS A. The final equipment must be	
	(as available on http://www.	meanwell.com)	lels and of $5^{\circ}\text{C}/1000\text{m}$ with fan models for ope		

 $\begin{tabular}{ll} \hline \& Product\ Liability\ Disclaimer: For\ detailed\ information,\ please\ refer\ to\ https://www.meanwell.com/serviceDisclaimer.aspx \end{tabular}$







■ Function Manual

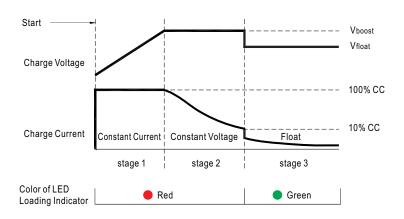
1. Battery Charger or Power Supply Operation modes selectable via pin3 and pin4 jumper

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



2. Charging Curve (Charging Mode)

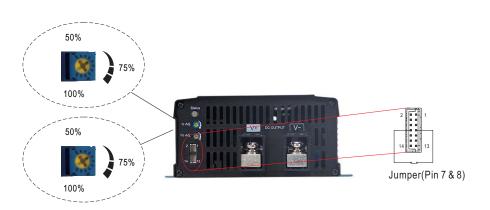
© 3 stage charging curve



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 l₀ 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 signa	I 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 Vo Adj. lo 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		
5,4	Power Supply mode selectable		
5	Battery Full	HRS DF11-14DS	HRS DF11-**SC
6	Charger OK (Charger mode) or	or equivalent	or equivalent
	DC OK (Power supply mode)		
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

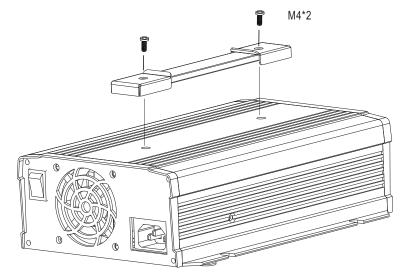
💥 Battery Charger or Power Supply mode of pin 3 and pin 4 mating pin along with NPP-750 (Standard accessory)

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

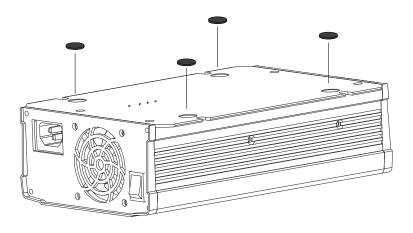


MW's Order No.	Item			Quantity
DS-Carry Handle	1	Handle		1
	2	Foot pad		4
	3	Screw		2





2 Foot pad



■ INSTALLATION MANUAL

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