



TPTC004

IEC62368-1 IEC60335-1/2-29









User's Manual

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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 $^\circ \rm C$ 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 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



Applications

- · Radio system backup solution
- Electric scooter charger
- Camping car
 Suses
 Heavy duty truck
 Specialty vehicles
- Surveillance system
- · Industrial automation machinery
- Industrial control system
- Mechanical and electrical equipment

GTIN CODE

MW Search: <u>https://www.meanwell.com/serviceGTIN.aspx</u>



SPECIFICATION for Battery Charger mode (Default)

		NPP-750-12 NP	PP-750-24	NPP-750-48	
	BOOST CHARGE VOLTAGE(Vboost)(default)	14.4V 28.	.8V	57.6V	
	FLOAT CHARGE VOLTAGE(Vfloat)(default)	13.8V 27.0	.6V	55.2V	
			~ 42V	42~80V	
ľ	VOLTAGE ADJUSTABLE RANGE	By built-in potentionmeter			
	MAX. OUTPUT CURRENT(CC)		.5A	11.3A	
OUTPUT			25 ~ 22.5A	5.65 ~ 11.3A	
	CURRENT ADJUSTABLE RANGE	By built-in potentionmeter	20 22.01	0.00 11.0/	
	MAX. POWER	722.4W 756	6W	759.36W	
ľ	RECOMMENDED BATTERY	122.400		133.3011	
	CAPACITY (AMP HOURS) Note.4	150 ~ 500AH 80 ·	~ 260AH	40 ~ 130AH	
	VOLTAGE RANGE Note.5	90 ~ 264VAC 127 ~ 370VDC			
l	FREQUENCY RANGE	47~63Hz			
	POWER FACTOR (Typ.)	PF>0.98/115VAC, PF>0.95/230VAC at full loa	ad		
INPUT	EFFICIENCY (Typ.) Note.6			93%	
	AC CURRENT (Typ.)	8.7A/115VAC 4A/230VAC			
	INRUSH CURRENT (Typ.)	COLD START 50A at 230VAC			
1	()()	Protection type : Constant current limiting, cha	arger will shutdown after 5 sec. re-pow	er on to recover	
	onort oncourt note./		~ 52V	82 ~ 100V	
PROTECTION	OVER VOLTAGE	Protection type : Shut down and latch off o/p v		02 100 0	
ſ		Shut down O/P voltage, recovers automatical			
	OVER TEMPERATURE	3 stage only	y and temperature goes down		
ſ	CHARGING STAGE CHARGER OK SIGNAL	The TTL signal out, Charger OK = $H(4.5 \sim 5.5)$	V) : Charger failure or protection status	=1 (-0.5 ~ +0.5)/)	
FUNCTION		The TTL signal out, Battery full = H(4.5 ~ 5.5V	,. .		
ľ	BATTERY FULL SIGNAL				
	REMOTE CONTROL		arger 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)			
		10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes			
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each al	llong X, Y, Z axes		
	VIBRATION SAFETY STANDARDS	10 ~ 500Hz, 2G 10min./1cycle, 60min. each al CB IEC62368-1,IEC60335-1/2-29, Dekra BS EN		IL62368-1, EAC TP TC 004 approved	
	-		N/EN62368-1,BS EN/EN60335-1/2-29, U	IL62368-1, EAC TP TC 004 approved	
	SAFETY STANDARDS	CB IEC62368-1,IEC60335-1/2-29, Dekra BS EN I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0 I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VD	N/EN62368-1,BS EN/EN60335-1/2-29, U).5KVAC	IL62368-1, EAC TP TC 004 approved	
	SAFETY STANDARDS WITHSTAND VOLTAGE	CB IEC62368-1,IEC60335-1/2-29, Dekra BS EN I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0 I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VD	N/EN62368-1,BS EN/EN60335-1/2-29, U).5KVAC	IL62368-1, EAC TP TC 004 approved Test Level / Note	
	SAFETY STANDARDS WITHSTAND VOLTAGE	CB IEC62368-1,IEC60335-1/2-29, Dekra BS EN I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0 I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VD Parameter Sta	N/EN62368-1,BS EN/EN60335-1/2-29, U 0.5KVAC DC / 25℃/ 70% RH	Test Level / Note	
	SAFETY STANDARDS WITHSTAND VOLTAGE	CB IEC62368-1,IEC60335-1/2-29, Dekra BS EN I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG: I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 50000 VD Parameter Sta Conducted BS	N/EN62368-1,BS EN/EN60335-1/2-29, L 0.5KVAC DC / 25°C / 70% RH andard	Test Level / Note	
	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	CB IEC62368-1,IEC60335-1/2-29, Dekra BS EN I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0 I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 50000 State State Conducted BS Radiated State	N/EN62368-1,BS EN/EN60335-1/2-29, U 0.5KVAC DC / 25°C / 70% RH andard EN/EN55032 (CISPR32),BS EN/EN55014-1	Test Level / Note Class B	
SAFETY 8	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	CB IEC62368-1,IEC60335-1/2-29, Dekra BS EN I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG: I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 50000 State State Parameter State State Conducted BS Radiated BS Harmonic Current BS State State	N/EN62368-1,BS EN/EN60335-1/2-29, U 0.5KVAC DC / 25°C / 70% RH andard EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN55032 (CISPR32),BS EN/EN55014-1	Test Level / Note Class B Class B	
	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	CB IEC62368-1,IEC60335-1/2-29, Dekra BS EN I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0 I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 50000 VD Parameter Sta Conducted BS Radiated BS Harmonic Current BS Voltage Flicker BS	N/EN62368-1,BS EN/EN60335-1/2-29, U D. 5KVAC DC / 25°C / 70% RH andard EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN55032 (CISPR32),BS EN/EN55014-1 S EN/EN61000-3-2	Test Level / Note Class B Class B Class A	
EMC	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	CB IEC62368-1,IEC60335-1/2-29, Dekra BS EN I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0 I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 50000 VD Parameter Sta Conducted BS Radiated BS Harmonic Current BS Voltage Flicker BS Parameter Sta	N/EN62368-1,BS EN/EN60335-1/2-29, L 0.5KVAC DC / 25°C / 70% RH andard EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN55032 (CISPR32),BS EN/EN55014-1 B EN/EN61000-3-2 B EN/EN61000-3-3	Test Level / Note Class B Class B Class A 	
EMC	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	CB IEC62368-1,IEC60335-1/2-29, Dekra BS EN I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0 I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 5∪∪D Parameter Sta Conducted BS Radiated BS Harmonic Current BS Sta Voltage Flicker BS Sta ESD BS Sta	N/EN62368-1,BS EN/EN60335-1/2-29, L 0.5KVAC DC / 25°C / 70% RH andard EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN55032 (CISPR32),BS EN/EN55014-1 B EN/EN61000-3-2 B EN/EN61000-3-3 andard	Test Level / Note Class B Class B Class A Test Level / Note	
EMC	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	CB IEC62368-1,IEC60335-1/2-29, Dekra BS EN I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0 I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 5000 D Parameter Sta Conducted BS Radiated BS Harmonic Current BS Voltage Flicker BS Parameter Sta ESD BS Radiated BS	N/EN62368-1,BS EN/EN60335-1/2-29, U 0.5KVAC 0.C / 25°C / 70% RH andard EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN65032 (CISPR32),BS EN/EN55014-1 5 EN/EN61000-3-2 5 EN/EN61000-3-3 andard 5 EN/EN61000-4-2	Test Level / Note Class B Class B Class A Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact	
EMC	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE	CB IEC62368-1,IEC60335-1/2-29, Dekra BS EN I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0 I/P-O/P:3KVAC I/P-FG:0/P-FG:100M Ohms / 5000 D Parameter Sta Conducted BS Radiated BS Harmonic Current BS Voltage Flicker BS Radiated Sta ESD BS Radiated BS ESD BS Radiated BS Radiated BS	N/EN62368-1,BS EN/EN60335-1/2-29, U 0.5KVAC 0.C / 26°C / 70% RH andard EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN55032 (CISPR32),BS EN/EN55014-1 B EN/EN61000-3-2 B EN/EN61000-3-3 andard B EN/EN61000-4-2 B EN/EN61000-4-3	Test Level / Note Class B Class B Class A Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2, 3V/m Level 2, 1KV	
EMC	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	CB IEC62368-1,IEC60335-1/2-29, Dekra BS EN I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0 I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 5000 Sta Conducted BS Radiated BS Harmonic Current BS Voltage Flicker BS Radiated Sta ESD BS Radiated BS Stadiated BS Sudge Flicker BS Suge BS Surge BS	N/EN62368-1,BS EN/EN60335-1/2-29, U 0.5KVAC 0.C / 25°C / 70% RH andard EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN65032 (CISPR32),BS EN/EN55014-1 EN/EN61000-3-2 EN/EN61000-3-3 andard EN/EN61000-4-2 EN/EN61000-4-3 EN/EN61000-4-4	Test Level / Note Class B Class B Class A Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2, 3V/m Level 2, 1KV	
EMC	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	CB IEC62368-1,IEC60335-1/2-29, Dekra BS EN I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0 I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0 Parameter Sta Conducted BS Radiated BS Harmonic Current BS Voltage Flicker BS Radiated BS ESD BS Radiated BS Surge BS Conducted BS	N/EN62368-1,BS EN/EN60335-1/2-29, U 0.5KVAC DC / 25°C / 70% RH andard EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN65032 (CISPR32),BS EN/EN55014-1 EN/EN61000-3-2 EN/EN61000-3-3 andard EN/EN61000-4-2 EN/EN61000-4-3 EN/EN61000-4-5 EN/EN61000-4-5 EN/EN61000-4-6	Test Level / Note 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 3, 2KV/Line-Line,Level 3, 2KV/Line-Ear	
EMC	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	CB IEC62368-1,IEC60335-1/2-29, Dekra BS EN I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0 I/P-O/P;3KVAC I/P-FG:0/P-FG:100M Ohms / 50VVD Parameter Sta Conducted BS Harmonic Current BS Voltage Flicker BS Parameter Sta ESD BS Radiated BS Radiated BS Surge BS Conducted BS Radiated BS Parameter Sta ESD BS Radiated BS Radiated BS Conducted BS Magnetic Field BS	N/EN62368-1,BS EN/EN60335-1/2-29, U 0.5KVAC DC / 25°C / 70% RH andard EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN65032 (CISPR32),BS EN/EN55014-1 B EN/EN61000-3-2 B EN/EN61000-3-3 andard B EN/EN61000-4-2 B EN/EN61000-4-2 B EN/EN61000-4-3 B EN/EN61000-4-5 B EN/EN61000-4-6 B EN/EN61000-4-8	Test Level / Note 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-Ear Level 2, 3Vrms Level 1, 1A/m	
EMC	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	CB IEC62368-1,IEC60335-1/2-29, Dekra BS EN I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0 I/P-O/P;3KVAC I/P-FG:0/P-FG:100M Ohms / 50VVD Parameter Sta Conducted BS Harmonic Current BS Voltage Flicker BS Parameter Sta ESD BS Radiated BS Radiated BS Surge BS Conducted BS Radiated BS Parameter Sta ESD BS Radiated BS Radiated BS Conducted BS Magnetic Field BS	N/EN62368-1,BS EN/EN60335-1/2-29, U 0.5KVAC DC / 25°C / 70% RH andard EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN65032 (CISPR32),BS EN/EN55014-1 EN/EN61000-3-2 EN/EN61000-3-3 andard EN/EN61000-4-2 EN/EN61000-4-3 EN/EN61000-4-5 EN/EN61000-4-5 EN/EN61000-4-6	Test Level / Note 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, 3Vrms Level 1, 1A/m	
EMC	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	CB IEC62368-1,IEC60335-1/2-29, Dekra BS EN I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0 I/P-O/P;3KVAC I/P-FG:0/P-FG:100M Ohms / 50VVD Parameter Sta Conducted BS Harmonic Current BS Voltage Flicker BS Parameter Sta ESD BS Radiated BS Radiated BS Surge BS Conducted BS Radiated BS Parameter Sta ESD BS Radiated BS Radiated BS Conducted BS Magnetic Field BS	N/EN62368-1,BS EN/EN60335-1/2-29, U D. 5KVAC DC / 25°C / 70% RH andard EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN61000-3-2 EN/EN61000-3-3 andard EN/EN61000-4-2 EN/EN61000-4-3 EN/EN61000-4-3 EN/EN61000-4-5 EN/EN61000-4-6 EN/EN61000-4-8 EN/EN61000-4-11	Test Level / Note 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/ 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	
EMC (Note 8)	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION	CB IEC62368-1,IEC60335-1/2-29, Dekra BS EN I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0 I/P-O/P:3KVAC I/P-FG:0/P-FG:100M Ohms / 50UD D Parameter Sta Conducted BS Radiated BS Harmonic Current BS Voltage Flicker BS Radiated BS Radiated BS Surge BS Surge BS Magnetic Field BS Voltage Dips and Interruptions BS	N/EN62368-1,BS EN/EN60335-1/2-29, U D. 5KVAC DC / 25°C / 70% RH andard EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN61000-3-2 S EN/EN61000-3-3 andard S EN/EN61000-4-2 S EN/EN61000-4-2 S EN/EN61000-4-5 S EN/EN61000-4-5 S EN/EN61000-4-6 S EN/EN61000-4-8 S EN/EN61000-4-11	Test Level / Note 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/ 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	
EMC (Note 8)	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION	CB IEC62368-1,IEC60335-1/2-29, Dekra BS ENI/P-O/P:3KVACI/P-FG:2KVACO/P-FG:0I/P-O/P:3KVACI/P-FG:0/P-FG:100M Ohms / 50UVDParameterStaConductedBSRadiatedBSHarmonic CurrentBSBSVoltage FlickerBSParameterStaESDBSRadiatedBSRadiatedBSConductedBSParameterStaESDBSRadiatedBSEGDBSConductedBSSurgeBSConductedBSMagnetic FieldBSVoltage Dips and InterruptionsBS883.5K hrs min.Telcordia SR-332 (Better Carrent Carren	N/EN62368-1,BS EN/EN60335-1/2-29, U D. 5KVAC DC / 25°C / 70% RH andard EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN61000-3-2 S EN/EN61000-3-3 andard S EN/EN61000-4-2 S EN/EN61000-4-2 S EN/EN61000-4-5 S EN/EN61000-4-5 S EN/EN61000-4-6 S EN/EN61000-4-8 S EN/EN61000-4-11	Test Level / Note 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/ 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	
EMC (Note 8)	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING	CB IEC62368-1,IEC60335-1/2-29, Dekra BS ENI/P-O/P:3KVACI/P-FG:2KVACO/P-FG:0I/P-O/P:3KVACI/P-FG:0VDParameterStaConductedBSRadiatedBSHarmonic CurrentBSVoltage FlickerBSParameterStaESDBSRadiatedBSRadiatedBSConductedBSParameterStaESDBSRadiatedBSEGDBSRadiatedBSSurgeBSConductedBSMagnetic FieldBSVoltage Dips and InterruptionsBS883.5K hrs min.Telcordia SR-332 (Bell-cord230*158*67mm (L*W*H)1.84Kg; 4pcs/9Kg / 1.63CUFT	N/EN62368-1,BS EN/EN60335-1/2-29, U D. 5KVAC DC / 25°C / 70% RH andard EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN61000-3-2 S EN/EN61000-3-3 andard S EN/EN61000-4-2 S EN/EN61000-4-3 S EN/EN61000-4-4 S EN/EN61000-4-5 S EN/EN61000-4-6 S EN/EN61000-4-8 S EN/EN61000-4-11 (e) ; 95.7K hrs min. MIL-HDBK-2	Test Level / Note 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/ Level 2, 1KV/ Level 2, 1KV/ Level 3, 2KV/Line-Ea Level 2, 3Vrms Level 1, 1A/m >95% dip 0.5 periods, 30% dip 25 periods 30% dip 25 periods 17F (25°C)	
EMC (Note 8)	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. Modification for charger specific	CB IEC62368-1,IEC60335-1/2-29, Dekra BS EN I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0 I/P-O/P;3KVAC I/P-FG:00M Ohms / 500VD Parameter Sta Conducted BS Radiated BS Harmonic Current BS Voltage Flicker BS Radiated BS Radiated BS Radiated BS Radiated BS Parameter Sta ESD BS Radiated BS Radiated BS Surge BS Conducted BS Magnetic Field BS Voltage Dips and Interruptions BS 883.5K hrs min. Telcordia SR-332 (Bell-cordia SR-332 (Bel	N/EN62368-1,BS EN/EN60335-1/2-29, L D: 5KVAC D: 5KVAC D: 2 / 25°C / 70% RH andard EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN61000-3-2 S EN/EN61000-3-3 andard S EN/EN61000-4-2 S EN/EN61000-4-3 S EN/EN61000-4-4 S EN/EN61000-4-5 S EN/EN61000-4-6 S EN/EN61000-4-8 S EN/EN61000-4-11 re); 95.7K hrs min. MIL-HDBK-2 Decification. Please contact battery vertice	Test Level / Note 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/ Level 2, 1KV/ Level 2, 1KV/ Level 2, 3Vrms Level 1, 1A/m >95% dip 0.5 periods, 30% dip 25 periods 17F (25°C) or and MEAN WELL for details.	
EMC (Note 8)	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. Modification for charger special	CB IEC62368-1,IEC60335-1/2-29, Dekra BS ENI/P-O/P:3KVACI/P-FG:2KVACO/P-FG:0I/P-O/P:3KVACI/P-FG:0VDParameterStaConductedBSRadiatedBSHarmonic CurrentBSVoltage FlickerBSParameterStaESDBSRadiatedBSRadiatedBSConductedBSParameterStaESDBSRadiatedBSEGDBSRadiatedBSSurgeBSConductedBSMagnetic FieldBSVoltage Dips and InterruptionsBS883.5K hrs min.Telcordia SR-332 (Bell-cord230*158*67mm (L*W*H)1.84Kg; 4pcs/9Kg / 1.63CUFT	N/EN62368-1,BS EN/EN60335-1/2-29, U D: 5KVAC D: 5KVAC D: 2 / 25°C / 70% RH andard EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN55032 (CISPR32),BS EN/EN55014-1 S EN/EN61000-3-2 S EN/EN61000-3-3 andard S EN/EN61000-4-2 S EN/EN61000-4-3 S EN/EN61000-4-4 S EN/EN61000-4-5 S EN/EN61000-4-6 S EN/EN61000-4-11 re); 95.7K hrs min. MIL-HDBK-2 Decification. Please contact battery vend ted load and 25°C of ambient temperati	Test Level / Note 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/ Level 2, 1KV/ Level 2, 1KV/ Level 2, 3Vrms Level 1, 1A/m >95% dip 0.5 periods, 30% dip 25 periods 17F (25°C) or and MEAN WELL for details.	
EMC (Note 8)	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. Modification for charger special 3. Float charge voltage(Vfloat)	CB IEC62368-1,IEC60335-1/2-29, Dekra BS EN I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0 I/P-O/P; I/P-FG, O/P-FG:100M Ohms / 500VD Parameter Sta Conducted BS Radiated BS Harmonic Current BS Radiated BS Voltage Flicker BS Sta ESD BS Radiated BS Radiated BS Sta ESD BS Radiated BS Radiated BS Sta Conducted BS Sta Conducted BS Sta Conducted BS Sta Surge BS Surge BS Conducted BS Surge BS Voltage Dips and Interruptions BS Sta 883.5K hrs min. Telcordia SR-332 (Bell-torder Conducted 230*158*67mm (L*W*H) 1.84Kg; 4pcs/ 9Kg / 1.63CUFT Cification may be required for different battery spr y mentioned are measured at 230VAC input, rate Sta Sta	N/EN62368-1,BS EN/EN60335-1/2-29, U D: 5KVAC D: 5KVAC D: 2 / 25°C / 70% RH andard EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN55032 (CISPR32),BS EN/EN55014-1 S EN/EN61000-3-2 S EN/EN61000-3-3 andard S EN/EN61000-4-2 S EN/EN61000-4-3 S EN/EN61000-4-4 S EN/EN61000-4-6 S EN/EN61000-4-7 S EN/EN61000-4-8 S EN/EN61000-4-11 re); 95.7K hrs min. MIL-HDBK-2 Decification. Please contact battery venduted load and 25°C of ambient temperature mode.	Test Level / Note 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/ Level 2, 1KV/Line-Line,Level 3, 2KV/Line-Ea Level 1, 1A/m >95% dip 0.5 periods, 30% dip 25 periods 17F (25°C) Ior and MEAN WELL for details. ure.	
EMC (Note 8) OTHERS	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. Modification for charger special 3. Float charge voltage(Vfloat) 4. This is MEAN WELL's sugg 5. Derating may be needed un	CB IEC62368-1,IEC60335-1/2-29, Dekra BS EN I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0 I/P-O/P:3KVAC I/P-FG:0 DVD Parameter Sta Conducted BS Radiated BS Harmonic Current BS Voltage Flicker BS Parameter Sta ESD BS Radiated BS Radiated BS Surge BS Conducted BS Radiated BS Radiated BS Surge BS Conducted BS Magnetic Field BS Voltage Dips and Interruptions BS 883.5K hrs min. Telcordia SR-332 (Bellcore 230*158*67mm (L*W*H) 1.84Kg; 4pcs/9Kg / 1.63CUFT ification may be required for different battery spr pretioned are measured at 230VAC input, rat adjustable via potentiomerter in battery charger ested range. Please consult your battery manufacter low input voltages. Please check the deration	N/EN62368-1,BS EN/EN60335-1/2-29, U D: 5KVAC SEN/EN5032 (CISPR32),BS EN/EN55014-1 SEN/EN61000-3-2 SEN/EN61000-4-2 SEN/EN61000-4-3 SEN/EN61000-4-4 SEN/EN61000-4-5 SEN/EN61000-4-6 SEN/EN61000-4-11 e); 95.7K hrs min. MIL-HDBK-2 Decification. Please contact battery vend ted load and 25°C of ambient temperate mode. facturer for their suggestions about maxing curve for more details.	Test Level / Note Class B Class B Class A Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2, 3V/m Level 2, 3V/m Level 2, 1KV/Line-Line,Level 3, 2KV/Line-Ea Level 2, 3Vrms Level 2, 3Vrms Level 1, 1A/m >95% dip 0.5 periods, 30% dip 25 periods 17F (25°C) for and MEAN WELL for details. ure. inum charging current limitation.	
EMC (Note 8) OTHERS	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. Modification for charger sper 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 at	CB IEC62368-1,IEC60335-1/2-29, Dekra BS EN I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0 I/P-O/P:3KVAC I/P-FG:0 DVD Parameter Sta Conducted BS Radiated BS Harmonic Current BS Voltage Flicker BS Parameter Sta ESD BS Radiated BS Radiated BS Voltage Flicker BS Radiated BS Radiated BS Surge BS Conducted BS Magnetic Field BS Voltage Dips and Interruptions BS 883.5K hrs min. Telcordia SR-332 (Bellcore 230*158*67mm (L*W*H) 1.84Kg; 4pcs/9Kg / 1.63CUFT ification may be required for different battery spr ymentioned are measured at 230VAC input, rat adjustable via potentiomerter in battery charger ested range. Please consult your battery manufacter der low input voltages. Please check the deratinat 16.8V charge voltage(12V model), 33.6V charger	N/EN62368-1,BS EN/EN60335-1/2-29, U D.SKVAC DC / 25°C / 70% RH andard EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN61000-3-2 S EN/EN61000-3-3 andard S EN/EN61000-4-2 S EN/EN61000-4-3 S EN/EN61000-4-4 S EN/EN61000-4-5 S EN/EN61000-4-8 S EN/EN61000-4-11 (e); 95.7K hrs min. MIL-HDBK-2 Decification. Please contact battery vend ted load and 25°C of ambient temperate mode. facturer for their suggestions about maxing curve for more details. rge voltage(24V model), 67.2V charge vends	Test Level / Note 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/ 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 17F (25°C) or and MEAN WELL for details. ure. imum charging current limitation.	
EMC (Note 8) OTHERS	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. Modification for charger special 3. Float charge voltage(Vfloat) 4. This is MEAN WELL's sugg 5. Derating may be needed un 6. The efficiency is measured a 7. This protection mechanism i	CB IEC62368-1,IEC60335-1/2-29, Dekra BS EN I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0 I/P-O/P:3KVAC I/P-FG:0 O/P-FG:0 I/P-O/P:3KVAC I/P-FG:0 SU Parameter Sta Conducted BS Radiated BS Harmonic Current BS Voltage Flicker BS Parameter Sta ESD BS Radiated BS Radiated BS Surge BS Conducted BS Surge BS Conducted BS Magnetic Field BS Voltage Dips and Interruptions BS 883.5K hrs min. Telcordia SR-332 (Bellcore 230*158*67mm (L*W*H) 1.84Kg; 4pcs/9Kg / 1.63CUFT Stification may be required for different battery spr mentioned are measured at 230VAC input, rat adjustable via potentiomerter in battery charger ested range. Please consult your battery manufacter low input voltages. Please check the derating at 16.8V charge voltage(12V model), 33.6V charger s specified for the case the short circuit occurs as sepecified for the case the short circuit occu	N/EN62368-1,BS EN/EN60335-1/2-29, U D. 5KVAC DC / 25°C / 70% RH andard EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN61000-3-2 5 EN/EN61000-3-3 andard 6 EN/EN61000-4-2 6 EN/EN61000-4-3 6 EN/EN61000-4-4 6 EN/EN61000-4-5 6 EN/EN61000-4-6 9 EN/EN61000-4-11 (e); 95.7K hrs min. MIL-HDBK-2 Decification. Please contact battery vend ted load and 25°C of ambient temperate mode. facturer for their suggestions about maxing curve for more details. Irge voltage(24V model), 67.2V charge vafter the charger is turned on.	Test Level / Note Class B Class B Class A Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2, 3V/m Level 2, 3V/m Level 2, 1KV/Line-Line,Level 3, 2KV/Line-Ea 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) Interruptions 250 periods Interruptions 260 periods <td< td=""></td<>	
EMC (Note 8) OTHERS	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. Modification for charger special 3. Float charge voltage(Vfloat) 4. This is MEAN WELL's sugg 5. Derating may be needed un 6. The efficiency is measured a 7. This protection mechanism i 8. The charger is considered a	CB IEC62368-1,IEC60335-1/2-29, Dekra BS EN I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0 I/P-O/P:3KVAC I/P-FG:0 DVD Parameter Sta Conducted BS Radiated BS Harmonic Current BS Voltage Flicker BS Parameter Sta ESD BS Radiated BS Radiated BS Voltage Flicker BS Radiated BS Radiated BS Radiated BS Surge BS Conducted BS Magnetic Field BS Voltage Dips and Interruptions BS 883.5K hrs min. Telcordia SR-332 (Bellcore 230*158*67mm (L*W*H) 1.84Kg; 4pcs/9Kg / 1.63CUFT ification may be required for different battery sper pretioned are measured at 230VAC input, rat adjustable via potentiomerter in battery charger ested range. Please consult your battery manufacter low input voltages. Please check the derating at 16.8V charge voltage(12V model), 33.6V charger s specified for the case the short circuit occurs ac component which will be in	N/EN62368-1,BS EN/EN60335-1/2-29, U D. 5KVAC DC / 25°C / 70% RH andard EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN61000-3-2 EN/EN61000-3-3 andard S EN/EN61000-4-2 S EN/EN61000-4-3 S EN/EN61000-4-4 S EN/EN61000-4-5 S EN/EN61000-4-8 S EN/EN61000-4-11 (e); 95.7K hrs min. MIL-HDBK-2 Decification. Please contact battery vend ted load and 25°C of ambient temperate mode. facturer for their suggestions about maxing curve for more details. Irge voltage(24V model), 67.2V charge value for the charger is turned on. quipment. All the radiation tests require	Test Level / Note Class B Class B Class A Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2, 3V/m Level 2, 3V/m Level 2, 1KV/Line-Line,Level 3, 2KV/Line-Ea 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) Interruptions 250 periods Interruptions 260 periods <td< td=""></td<>	
SAFETY & EMC (Note 8) OTHERS	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. Modification for charger special 3. Float charge voltage(Vfloat) 4. This is MEAN WELL's sugg 5. Derating may be needed un 6. The efficiency is measured a 7. This protection mechanism i 8. The charger is considered a clasp or magnetic ring to the	CB IEC62368-1,IEC60335-1/2-29, Dekra BS EN I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0 I/P-O/P:3KVAC I/P-FG:0 DVD Parameter Sta Conducted BS Radiated BS Harmonic Current BS Voltage Flicker BS Parameter Sta ESD BS Radiated BS Radiated BS Voltage Flicker BS Radiated BS Radiated BS Surge BS Conducted BS Magnetic Field BS Voltage Dips and Interruptions BS 883.5K hrs min. Telcordia SR-332 (Bellcore 230*158*67mm (L*W*H) 1.84Kg; 4pcs/9Kg / 1.63CUFT ification may be required for different battery spr mentioned are measured at 230VAC input, rat adjustable via potentiomerter in battery charger ested range. Please consult your battery manufacter low input voltages. Please check the derating at 16.8V charge voltage(12V model), 33.6V chars s specified for the case the short circuit occurs at component which will be installed into a final ed of or output line for CLASS B and without	N/EN62368-1,BS EN/EN60335-1/2-29, U D. 5KVAC DC / 25°C / 70% RH andard EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN65032 (CISPR32),BS EN/EN55014-1 EN/EN61000-3-2 EN/EN61000-4-2 EN/EN61000-4-3 EN/EN61000-4-3 EN/EN61000-4-4 EN/EN61000-4-5 EN/EN61000-4-6 EN/EN61000-4-11 e); 95.7K hrs min. MIL-HDBK-2 Decification. Please contact battery vend ted load and 25°C of ambient temperate mode. racturer for their suggestions about maxing curve for more details. rge voltage(24V model), 67.2V charge valter the charger is turned on. quipment. All the radiation tests require agnetic clasp or magnetic ring for CLAS	Test Level / Note Class B Class B Class A Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2, 3V/m 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) for and MEAN WELL for details. ure. inum charging current limitation. voltage(48V model). an additional 13*26*30 NIZN magnetic SS A. The final equipment must be	
EMC (Note 8) OTHERS	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. Modification for charger spee 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 7. This protection mechanism i 8. The charger is considered a clasp or magnetic ring to the re-confirmed that it still meet	CB IEC62368-1,IEC60335-1/2-29, Dekra BS EN I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0 I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0 I/P-O/P:3KVAC I/P-FG:0 Sta Conducted BS Radiated BS Harmonic Current BS Voltage Flicker BS Parameter Sta ESD BS Radiated BS Radiated BS Radiated BS Radiated BS Radiated BS Radiated BS Conducted BS Surge BS Conducted BS Magnetic Field BS Voltage Dips and Interruptions BS 883.5K hrs min. Telcordia SR-332 (Bellcore 230*158*67mm (L*W*H) 1.84Kg; 4pcs/9Kg / 1.63CUFT cification may be required for different battery spreseted range. Please consult your battery manufa der low input voltages. Please check the deratin at 16.8V charge voltage(12V model), 33.6V chars s pecified for the case the short circuit occurs a component which will be installed into a final ed occurs a comp	N/EN62368-1,BS EN/EN60335-1/2-29, U D. 5KVAC DC / 25°C / 70% RH andard EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN65032 (CISPR32),BS EN/EN55014-1 EN/EN61000-3-2 EN/EN61000-4-2 EN/EN61000-4-3 EN/EN61000-4-3 EN/EN61000-4-4 EN/EN61000-4-5 EN/EN61000-4-6 EN/EN61000-4-11 e); 95.7K hrs min. MIL-HDBK-2 Decification. Please contact battery vend ted load and 25°C of ambient temperate mode. racturer for their suggestions about maxing curve for more details. rge voltage(24V model), 67.2V charge valter the charger is turned on. quipment. All the radiation tests require agnetic clasp or magnetic ring for CLAS	Test Level / Note Class B Class B Class A Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2, 3V/m 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) for and MEAN WELL for details. ure. inum charging current limitation. voltage(48V model). an additional 13*26*30 NIZN magnetic SS A. The final equipment must be	
EMC (Note 8) OTHERS	SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. Modification for charger spee 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 7. This protection mechanism i 8. The charger is considered a clasp or magnetic ring to the re-confirmed that it still meet (as available on http://www.r	CB IEC62368-1,IEC60335-1/2-29, Dekra BS EN I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0 I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0 I/P-O/P:3KVAC I/P-FG:0 Sta Conducted BS Radiated BS Harmonic Current BS Voltage Flicker BS Parameter Sta ESD BS Radiated BS Radiated BS Radiated BS Radiated BS Radiated BS Radiated BS Conducted BS Surge BS Conducted BS Magnetic Field BS Voltage Dips and Interruptions BS 883.5K hrs min. Telcordia SR-332 (Bellcore 230*158*67mm (L*W*H) 1.84Kg; 4pcs/9Kg / 1.63CUFT cification may be required for different battery spreseted range. Please consult your battery manufa der low input voltages. Please check the deratin at 16.8V charge voltage(12V model), 33.6V chars s pecified for the case the short circuit occurs a component which will be installed into a final ed occurs a comp	V/EN62368-1,BS EN/EN60335-1/2-29, U 0.5KVAC 0.5KVAC 0.2 / 25°C / 70% RH andard EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN55032 (CISPR32),BS EN/EN55014-1 EN/EN61000-3-2 S EN/EN61000-4-2 S EN/EN61000-4-3 S EN/EN61000-4-4 S EN/EN61000-4-6 S EN/EN61000-4-6 S EN/EN61000-4-11 (e); 95.7K hrs min. MIL-HDBK-2 Decification. Please contact battery vend ted load and 25°C of ambient temperate mode. iacturer for their suggestions about maxing curve for more details. Irge voltage(24V model), 67.2V charge value after the charger is turned on. quipment. All the radiation tests require agnetic clasp or magnetic ring for CLAS form these EMC tests, please refer to "E	Test Level / Note Class B Class B Class A Test Level / Note Level 3, 8KV air ; Level 2, 4KV contact Level 2, 3V/m Level 2, 3V/m Level 2, 1KV Level 2, 1KV/Line-Line,Level 3, 2KV/Line-Ea Level 2, 3Vrms Level 2, 3Vrms Level 1, 1A/m >95% dip 0.5 periods, 30% dip 25 periods 17F (25°C) Interruptions 250 periods Interruptions 250 periods 17F (25°C) Interruptions 250 periods Interruptions 250 periods Interruptions 250 periods Interruptions 250 periods 17F (25°C) Interruptions 250 periods Interruptions 25	



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

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.)	16ms/230VAC at 75% load 10ms/2	30VAC at full load		
	VOLTAGE RANGE Note.3	90 ~ 264VAC 127 ~ 370VDC			
	FREQUENCY RANGE	47 ~ 63Hz			
	POWER FACTOR (Typ.)	PF>0.98/115VAC, PF>0.95/230VAC	Cat full load		
INPUT	EFFICIENCY (Typ.)	92%	93%	93%	
	AC CURRENT (Typ.)	8.7A/115VAC 4A/230VAC	I	1	
	INRUSH CURRENT (Typ.)	COLD START 50A at 230VAC			
		105 ~ 115% rated output power			
	OVERLOAD		niting, unit will shutdown after 5 sec, re-power on t	to recover	
	SHORT CIRCUIT		miting, unit will shutdown after 5 sec, re-power of the		
PROTECTION	SHOKT CIRCUIT	21.5 ~ 26V	43 ~ 52V		
	OVER VOLTAGE			82 ~ 100V	
			ch off o/p voltage, re-power on to recover		
	OVER TEMPERATURE		tomatically after temperature goes down		
	REMOTE CONTROL	Open : Power OFF Short : Pow			
FUNCTION	DC OK	The TTL signal out, DC OK = H(4.5 ~	~ 5.5V) ; Power supply failure or protection = L(-	-0.5 ~ +0.5V)	
	FAN SPEED CONTROL	Depends on internal temperature			
	WORKING TEMP.	-30 ~ +70 $^\circ \rm C$ (Refer to "Derating Cur	ve")		
	WORKING HUMIDITY	20~95% RH non-condensing			
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH non-condensing			
	TEMP. COEFFICIENT	±0.05%/°C (0~50°C)			
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60m	in each along X Y Z axes		
	SAFETY STANDARDS		ekra BS EN/EN62368-1,BS EN/EN60335-1/2-29,	UL62368-1 FAC TP TC 004 approved	
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC			
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohm			
	ISOLATION RESISTANCE	Parameter	Standard	Test Level / Note	
			BS EN/EN55032 (CISPR32),BS EN/EN55014-		
		Conducted	X P		
	EMC EMISSION	Radiated	BS EN/EN55032 (CISPR32),BS EN/EN55014-		
		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	
				>95% dip 0.5 periods, 30% dip 25 period	
		Voltage Dips and Interruptions	BS EN/EN61000-4-11	>95% interruptions 250 periods	
	MTBF	883.5K hrs min. Telcordia SR-33	2 (Bellcore) ; 95.7K hrs min. MIL-HDBK-	217F (25°C)	
OTHERS	DIMENSION			2 (20 0)	
UINERS		230*158*67mm (L*W*H)			
	PACKING	1.84Kg; 4pcs/ 9Kg / 1.63CUFT			
	 All parameters NOT special Derating may be needed un 	y mentioned are measured at 230VA ider low input voltages. Please check	t battery specification. Please contact battery ver C input, rated load and 25°C of ambient temper- the derating curve for more details. a final equipment. All the radiation tests require a	ature.	
NOTE	clasp or magnetic ring to th re-confirmed that it still mee (as available on http://www.	e output line for CLASS B and withouts EMC directives. For guidance on h meanwell.com)	ut NIZN magnetic clasp or magnetic ring for CLA loow to perform these EMC tests, please refer to models and of 5°C/1000m with fan models for op	ASS A. The final equipment must be "EMI testing of component power supplies	



750W High Reliable Ultra Wide Output Range Battery Charger & Power Supply 2-in-1 NPP-750 series





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

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



750W High Reliable Ultra Wide Output Range Battery Charger & Power Supply 2-in-1 NPP-750 series



X Vo x lo 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





750W High Reliable Ultra Wide Output Range Battery Charger & Power Supply 2-in-1 NPP-750 series



% 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	
e Red	Charging (stage 1 or stage 2)	
O No Light	Abnormal	
	Power supply mode	
LED Indicator	Status	
Green	Normal working	
🔿 No Light	Abnormal	



% 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

X 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
	1
1FF1HMJ20-020-95BS or equivalent	





