



- Ultra wide voltage automatic voltage sensing charging
- Built in CANBus communication interface
- Adjustable charging current (adjusted by panel VR to 50-100%)
- Four preset charging curves can be fine tuned and adjustable
2-stage or 3-stage charging through the DIP Switch panel
- Automatic temperature reduction charging
- Obtained UL/EN62368-1 and IEC/EN62368-1/-2-29 dual safety certification

Model	NPB-1200-12	NPB-1200-24
Uniform charging voltage	14.4V	28.8V
Floating voltage	13.8V	27.6V
Adjustable voltage range	10.5 ~ 15.2V	21 ~ 30.4V
Output current	6.8A	4A
Adjustable current range	50% ~ 100%	
Maximum power	103.4W	121.6W
Recommended battery capacity	20 ~ 90AH	15 ~ 50AH
Battery leakage current	<1mA	
frequency range	47 ~ 63Hz	
Voltage range	90 ~ 264VAC 127 ~ 370VDC	
Power factor	PF>0.98/115VAC, PF>0.92/230VAC@12V,PF>0.93/230VAC@24/48V	
Typ.XLR	86.50%	89%
Typ.AD1	86.50%	89%
Typ.TB	87%	89.50%
AC current	1.5A/115VAC 0.8A/230VAC	
Surge current	Cold start 55A/230VAC	
Leakage current	<0.75mA/240VAC	
Short circuit	Protection mode: Restore after reboot	
Overvoltage	16 ~ 20V	32 ~ 40V
	Protection mode: turn off and latch the output voltage, restore after restart	
Reverse polarity	Disconnect through internal fuse	
Over temperature	Hiccup mode automatically recovers after temperature drops	
working temperature	-30 ~ +70°C	
Working humidity	20~95% RH without condensation	

Storage temperature and humidity	-40 ~ +85°C, 10 ~ 95% RH non-condensing
Temperature coefficient	±0.05%/°C (0 ~ 45°C)
Vibration resistance	10~500Hz, 2G 10 minutes/cycle, X, Y, Z axes each 60 minutes
Security certification	CB IEC62368-1, IEC60335-1/2-29, Dekra BS EN/EN62368-1, BS EN/EN60335-1/2-29, UL62368-1, AS/NZS60335-1/2-29, J62368-1(2020) (except for 48XLR & TB type), EAC TP TC 004

