Contact Charging

NPB-1200-12 & NPB-1200-24 & NPB-1200-48

ATOMBOTIX

- 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	NPB-1200-48
Electrical Parameters			
Equalizing Voltage	14.4 V	28.8 V	57.6 V
Float Voltage	13.8 V	27.6 V	55.2 V
Charging Voltage Range	10.5 - 21 V	21 - 42 V	42 - 80 V
Max. Output Current	70 A	36 A	18 A
Max. Power	1176 W	1209.6 W	1209.6 W
Recommended Battery Capacity (Ah)	240 - 800 AH	120 - 420 AH	60 - 210 AH
Voltage Range	90 - 264VAC 127 - 370VDC		
Power Factor (Typ.)	PF>0.98/115VAC, PF>0.95/230VAC at full load		
Frequency Range	47 - 63 Hz		
Surge Current (Typ.)	Cold start 50A at 230VAC		
Leakage Current	<1mA/240VAC		
Essential Parameters			
Efficiency (Typ.)	92%	93%	94%
Alternating Current (Typ.)	12A/115VAC 6.5A/230VAC		
Short Circuit	Protection Mode: Constant Current Limitation, charger shuts down after 5 seconds, and can be restored after restart		
Overvoltage	21.5 - 26 V	43 - 52 V	82 - 100 V
	Protection Mode: Shuts off and locks the output voltage, can be restored after restart		
Battery Reverse Connection	Internal reverse protection detection, no damage, can be restored by restarting after the fault is removed		
Over Temperature	Turn off the output voltage, and it will automatically recover after the abnormal condition is removed		

Intelligent Pressure Detection (Typ.)	The charging current of 50-100% can be adjusted via the potentiometer on the panel (only applicable to the intelligent voltage detection mode)
CANBUS Interface	CANBus 2.0B is equipped with control, setting, and monitoring functions (VO, IO, charging curve, internal temperature, and DC output ON/OFF)
Safety Specification	CB IEC62368-1, IEC60335-1/2-29, Dekra BS EN/EN62368-1, BS EN/EN60335-1/2-29, UL62368-1, EAC TP TC 004
Environmental Parameters	
Operating Temperature	-30℃ – 70 ℃
Operating Humidity	20 – 95% RH, no condensation
Storage Temperature, Humidity	-40 to +85°C, 10 to 95% RH non-condensing