



# POWERHOUSE DISTRIBUTIONS

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## External Battery Super Charger (240Vdc, 20 Batteries)

### DESCRIPTION:

The PHD external battery charger is suitable for any 240Vdc system (20 batteries in series). It is designed for 240Vdc UPS systems to enable longer standby times for them. It can be used with PHD's T3 Series (6-10kVA models) and T4 Series (10-20kVA models) Online Double Conversion UPS's. It is easy to install as it is connected in parallel to the UPS's existing battery charger.

### FEATURES:

- Compact and light
- 12A and 8A ratings available (boosts of 21A and 13.8A respectively)
- Easy to install
- Can be used with any 240Vdc (20 battery) system
- Battery overcharge protection
- Input surge protection



SPECIFICATIONS	ST-CHARGER-8A	ST-CHARGER-12A
<b>Input</b>		
Voltage	(176 -276)VAC @ Full Load	
Frequency	(46 - 75)Hz for 50Hz system	
Power Factor	≥0.96@ full load	
THD	<20%@ full load	
<b>Output</b>		
Current	8A Nom. / 13.8A Max.	12A Nom. / 21A Max.
Voltage	200V Minimum, 273V Nominal, 280V Maximum	
Voltage Ripple	1%@ full load	
Current Ripple	10% of Ah CAP @ full load	
Efficiency	90%	
<b>Fault Protection</b>		
Output Reverse Polarity Protection	Fuse will open when reversing	
Short-circuit Protection	Yes	
Input Protection	276Vac(+/- 2%) Over Voltage, 176 Vac(+/- 2%) Under Voltage, 110%,1s Open Circuit	
<b>Fault Protection</b>		
Working and Storage Temperature	0°C - 40°C	
Humidity	<95% (No condensing)	
Altitude	< 1000m	
<b>Fault Protection</b>		
ESD	IEC 61000-4-2 Level 4	
RS	IEC 61000-4-3 Level 3	
EFT	IEC 61000-4-4 Level 4	
Surge	IEC 61000-4-5 Level 4	
Conduction	IEC/EN 62040-2 Category C3	
Radiation	IEC 61000-3-2	
Safety	IEC 60950-1/EN 60950-1	
Drop, Variation	ISTA Procedure 2A	
<b>Mechanical Characteristics</b>		
Inlet, Outlet	Terminal Block	
Dimensions (W x D x H) (mm)	340 x 250 x 110	
Net Weight (kg)	5.5	6