

# PowerShield Centurion Chargers

8A, 12A, 24A Chargers



**PowerShield Centurion Chargers** are highly reliable and microprocessor controlled to guarantee stable charging and maximum over-voltage protection.

## Features:

- Wide input range of 110-300VAC
- High power efficiency  $\geq 85\%$
- Isolation design
- Input power factor correction
- Microprocessor controlled to guarantee stable charging system
- User-adjustable charging current based on applications
- Three-stage smart charging
- Output short circuit protection
- Maximum current restriction
- Over-voltage protection
- Thermal control protection and reversal polarity protection
- Parallel operation



## Centurion Charger Selection Guide

MODEL	8A Charger for 20 pcs Battery	12A Charger for 20 pcs Battery	24A Charger for 20 pcs Battery
Model Number	PSCH240-8	PSCH240-12	PSCH240-24
Capacity	1700W	2600W	5200W
<b>INPUT</b>			
Voltage Range	110V~300VAC		
Current	20A (max) @ full load charging	30A (max) @ full load charging	60A (max) @ full load charging
Frequency	46~64 Hz		
<b>OUTPUT</b>			
Voltage	273V $\pm 1\%$		
Charge Voltage Accuracy	$\pm 1\%$ (Adjustable via VR on the Charger board)		
Current	8A $\pm 10\%$	12A $\pm 10\%$	24A $\pm 10\%$
<b>EFFICIENCY</b>			
Power Efficiency	$\geq 85\%$ @full load		
<b>PHYSICAL</b>			
Dimension, D X W X H (mm)	515 x 220 x 136		570 x 250 x 215
Net Weight (kgs)	5.6	7.2	14
<b>ENVIRONMENTAL PERFORMANCE</b>			
Operating Temperature Range	0°C~40°C		
Storage Temperature	-15°C~60°C		
Relative Humidity	0-95%		
Acoustic Noise	< 45dB		

\* Product specifications are subject to change without further notice



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