



ROYPOW Original Chargers for Forklift Batteries

Smart, Powerful and Safe!

Optimal battery performance and the best
communication between batteries and chargers.



Monitoring Display

Clear large screen display for real-time
monitoring of charging status

Intelligent Charging

Ensure the battery safety and
charging efficiency

Flexible Charging

Scheduled charging and personalized
charging settings can be configured

Anti-Walking Function

The forklift cannot drive off while charging

Support 12 Language Settings

Make the interface more user-friendly.
Easy to read and operate the charger

CEC Energy Efficiency

Ensure high energy efficiency, energy
savings, and reduced emissions

Technical Specifications

Model	CHA30-100 -100-EU	CHA30-100 -200-EU	CHA30-100 -300-EU	CHA30-100 -100-US	CHA30-100 -200-US	CHA30-100 -300-US	CHA30-100 -100-JP	CHA30-100 -200-JP	CHA30-100 -300-JP
Power Supply	Three-Phase Four-Wire								
Rated Input Voltage	400 Vac	400 Vac	400 Vac	480 Vac	480 Vac	480 Vac	200 Vac	200 Vac	200 Vac
Charger Input Current	<20A	<40A	<53A	<20A	<40A	<50A	<45A	<90A	<135A
Input Voltage Range	305~528Vac (265~305Vac Derating)	305~528Vac (265~305Vac Derating)	305~528Vac (265~305Vac Derating)	305~528Vac (265~305Vac Derating)	305~528Va (265~305Vac Derating)	305~528Vac (265~305Vac Derating)	176~250Vac (160~305Vac Derating)	176~250Vac (160~305Vac Derating)	176~250Vac (160~305Vac Derating)
AC Grid Frequency	45Hz~65Hz								
Power Factor	≥0.99								
String Number of LiFePO ₄ Batteries	12~26 S								
Output Power	Max. 10 kW	Max. 20 kW	Max. 30 kW	Max. 10 kW	Max. 20 kW	Max. 30 kW	Max. 10 kW	Max. 20 kW	Max. 30 kW
Rated Output Voltage	30~100 Vdc								
Output Current	0~100 A	0~200 A	0~300 A	0~100 A	0~200 A	0~300 A	0~100 A	0~200 A	0~300 A
Efficiency	≥92%								
Protection	Battery Reverse Polarity Protection, Output Short Circuit Protection, Output Over/ Under Voltage Protection, Over-Temperature Protection, Input Over/Under Voltage Protection								
Ingress Rating	IP20								
Working Temperature	-20°C~40°C (-4°F~104°F) Normal Operation; 41°C~65°C (105.8°F~149°F) Derating Protection; >65°C (149°F) Shutdown Protection								
Storage Temperature	-40°C~75°C (-40°F~167°F)								
Relative Humidity	0~95% (No Condensation)								
Altitude (m)	2,000m (>2000m Derating)								
Cooling Mode	Forced Air Cooling								
Dimension (L x W x H)	25.39×10.55×22.36 in (645×268×568 mm)	23.98×17.13×22.36 in (609×435×568 mm)	24.72 x 16.89 x 30.67 in (628 x 429 x 779 mm)	25.39×10.55×22.36 in (645×268×568 mm)	23.98×17.13×22.36 in (609×435×568 mm)	24.72 x 16.89 x 30.67 in (628 x 429 x 779 mm)	25.39×10.55×22.36 in (645×268×568 mm)	23.98×17.13×22.36 in (609×435×568 mm)	24.72 x 16.89 x 30.67 in (628 x 429 x 779 mm)
Weight	88.18 lbs (40kg)	121.25 lbs (55 kg)	171.96 lbs (78 kg)	88.18 lbs (40kg)	121.25 lbs (55 kg)	165.35 lbs (75 kg)	99.21 lbs (45kg)	121.25 lbs (55 kg)	180.78 lbs (82kg)

Note: 1. Only authorized personnel are allowed to operate or make adjustments to the chargers.
2. All data are based on ROYPOW standard test procedures. Actual performance may vary according to local conditions.



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