Delta-QIC650

650 W Industrial battery charger







- Small industrial battery charger (weight < 3 kg, 252 x 186 x 80 mm)
- For small aerial work platforms, scrubbers & sweepers, personnel & burden carriers ...
- · Keep track of every load cycle thanks to the detailed data logs

Technical details	Advantages	
Rugged, sealed aluminium die-cast enclosure	+ Protected against high vibration, extreme	
	temperatures and water, chemical and dust ingress	
	+ Installable on- or off-board in any orientation	
Two-way communication through charger USB	+ USB flash drive retrieves detailed charging logs	
host port	and updates charger software and QuiQ charge profiles	
	+ Saves technician field visits by providing info for	
	battery maintenance or troubleshooting	
Wide AC input voltage range, high efficiency and	+ Operates on any single-phase grid worldwide	
unity power factor	+ Meets CEC energy efficiency standards	
	+ Reduced electricity costs	
QuiQTM optimized charging profiles for all popular	+ Extend battery life and minimize charge times	
industrial battery brands and types	+ Auto-recharge for low voltage/storage ensures	
	equipment is ready for use	
CAN bus and Modbus communication	+ Integrate charger with battery management	
	system and vehicle/machine electronics	

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IC650 Specifications

DC output	24 VDC REF 141TA7908	36 VDC REF 141TA7909	48 VDC REF 141TA791 0
Nominal DC output voltage	24 V	36 V	48 V
Maximum DC output voltage	36 V	54 V	72 V
Maximum DC output current	27,1 A	18,1 A	13,5 A
Maximum DC output power	650 W	650 W	650 W
Deep discharge recovery (minimum voltage)	1,2 V	1,8 V	2,4 V
Maximum interlock current	1 A	1 A	1 A
Battery type	Lead acid (Wet/AGM/GEL), Lithium Ion		
Reverse polarity	Electronic protection with auto-reset		
Short circuit	Electronic current limit		



Features

- Multi-color LED indicator for AC source, battery status (< 80%/> 80%/completion), charging, alarm, fault
- Numeric display for charge profile, alarm/fault codes
- Field programmable with up to 25 QuiQTM charge profiles
- OEM customizable, field replaceable cable design

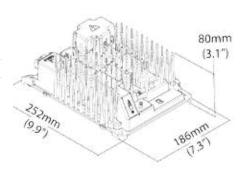
AC input AC input voltage range 85-270 VAC Nominal AC input voltage 100-240 VAC Nominal AC input frequency 50/60 Hz 7,5 A Maximum AC input current Nominal AC input current 7,3 A @ 100 VAC 6,0 A @ 120 VAC 3,1 A @ 230 VAC 2,9 A @ 240 VAC Nominal AC power factor > 0,99 @ 120 VAC > 0,98 @ 230 VAC

Regulatory Efficiency 93,5% peak Safety Approval pending to UL1564, CSA 107,2 EN 60335-2-29 Emissions FCC Part 15/ICES 003 Class A, EN55011 Immunity EN61000-3-2, EN61000-3-3 EN 61000-4-2/-3/-4/-5/-6/-11

Mechanical	
Dimensions	252 x 186 x 80 mm (9,9 x 7,3 x 3,1")
Weight	< 3 kg (< 6,5 lbs)
AC input connector	IEC320/C14 (requires country-specific cord)
DC output connector	M6 threaded fasteners for ring terminals
Service port	Sealed (IP66) USB 2.0 Host Port (Type A)
	with dust cover
Mounting holes	Allows for safe installation on shelf,
	wall or bulkhead
Cooling	Normal operation in any orientation with passive
	cooling only

Environmental		
Enclosure	IP66 (NEMA4)	
Operating temperature	-40 °C to 65 °C (-40 °F to 149 °F)	Derated at >40 °C (104 °F)
Storage temperature	-40 °C to 85 °C (-40 °F to 185 °F)	

Dimensions





Including European power cord