









MONARCH®

100% ELECTRIC | DRIVER OPTIONAL | DATA-DRIVEN

MK-V CHARGER SPECIFICATIONS

Monarch Chargers	40A NEMA 14-50 - Enphase	64A Hardwired - Enphase	80A Hardwired Clipper Creek
	  <p>NEMA 14-50 PLUG TYPE</p>	  <p>HARDWIRED INSTALLATION REQUIRED</p>	  <p>HARDWIRED INSTALLATION REQUIRED</p>
Product Key Features	<ul style="list-style-type: none"> Provides up to 40 A charging via the J1772 Connector. Includes wall mounted J1772 connector holster. Type 4X watertight and corrosion-resistant rubber over-molded EV connector. Includes an industrial grade NEMA 14-50R outlet receptacle. 	<ul style="list-style-type: none"> Provides up to 64 A charging via the J1772 Connector Includes wall mounted J1772 connector holster Type 4X watertight and corrosion-resistant rubber over-molded EV connector 	<ul style="list-style-type: none"> Provides up to 80 A charging via the J1772 Connector. Includes J1772 connector holster.
All Chargers	<ul style="list-style-type: none"> LED lights to indicate charger status. Industry-leading 25-foot charging cable. Integrated cable wrap helps to neatly stow away the cable cord when not in use. Comprehensive safety and efficiency compliance and certifications, including ENERGY STAR® Certified ETL listing. 		

Charge Time and Power	40A NEMA 14-50 - Enphase	64A Hardwired - Enphase	80A Hardwired Clipper Creek
Approximate Charge Time (from 5% to 95%)	10-12 hours	6.25-7.5 hours	5-6 hours
Maximum Output Current	40 A continuous	64 A continuous	80 A continuous
Maximum Output Power	9.6 kW	15.4 kW	19.2 kW











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Electrical Specification	40A NEMA 14-50 - Enphase	64A Hardwired - Enphase	80A Hardwired Clipper Creek
Input Voltage (Input Voltage Range)	208/240 VAC (185 VAC – 264 VAC)		
Input Power Phase	Single Phase		
Circuit Breaker Requirement	Dedicated, 2-pole 50 A	Dedicated, 2-pole 80 A	Dedicated, 2-pole 100 A
Plug Type	NEMA 14-50	Hardwired (Electrician Installed)	
Input Cable Length	12" (304.8 mm)	3' (914.4 mm) Pre-wired with (L1, L2, Gnd) 8 AWG service whip provided	Premise wiring not included. To be sized by licensed electrician.

Mechanical and Environmental	40A NEMA 14-50 - Enphase	64A Hardwired - Enphase	80A Hardwired Clipper Creek
Enclosure Dimensions (L × W × D)	19.7" × 8.9" × 5.3" (500 mm × 226 mm × 135 mm)	19.7" × 8.9" × 5.3" (500 mm × 226 mm × 135 mm)	22" × 17" × 12" (559 mm × 432 mm × 304.8 mm)
Weight	13.5 lbs. (6.1 kgs)	17.8 lbs. (8.1 kgs)	45 lbs. (20.4kgs)
Environmental Rating R1 AC	Indoor and Outdoor Rated		
Operating Temperatures	-22°F to 122°F (-30°C to 50°C)		
Enclosure Rating	Rugged, fully sealed NEMA Type 4 - watertight station		

Warranty	40A NEMA 14-50 - Enphase	64A Hardwired - Enphase	80A Hardwired Clipper Creek
	5 years	5 years	1 year

Manufacturer Data	40A NEMA 14-50 - Enphase	64A Hardwired - Enphase	80A Hardwired Clipper Creek
Manufacturer SKU	HCS-50R-C29-P6-L25-283	802.11ac Dual Band	CS-100-C16-L25-107
Manufacturer Part Description	40 A Charger (HCS-50R)	64 A Charger (HCS-80R)	80 A Charger (CS-100)
Manufacturer Link	HCS-50R Web Link 	HCS-80R Web Link 	CS-100 Web Link 
Manufacturer Data Sheet	HCS-50R Data Sheet 	HCS-80R Data Sheet 	CS-100 Data Sheet 
Installation User Manual	HCS User Manual 	HCS User Manual 	CS-100 User Manual 