

SPECIFICATIONS

VEHICLE SPECIFICATIONS – ELECTRIC VEHICLES

SPECIFICATIONS	CARRYALL 900 ELECTRIC
POWER SOURCE	
Drive motor: Direct drive, 48 volts DC, shunt wound, 3.1 hp	•
Transaxle: Double reduction helical gear with 12.28:1 direct drive axle	•
Electrical system: 48 volts DC, reduced speed reverse	•
Batteries: High capacity, deep cycle	•
Charger: Automatic, 13.5 amp; UL and CSA listed. See QuiQ Battery Charger Specifications on page 64.	•
STEERING/SUSPENSION/BRAKES	
Steering: Self-adjusting rack and pinion	•
Suspension: Independent leaf spring with dual hydraulic shocks	•
Brakes: Mechanical brake cable system to manually adjusted drum brakes on each wheel. Park brake is automatically released. Multi-latch ratchet and pawl	•
BODY/CHASSIS	
Frame/chassis: Twin I-Beam welded aluminum	•
Side and rear body: All aluminum	•
Front body: ArmorFlex®	•
Front body finish: Automotive-grade paint with clear-coat finish	•
Tires: 20 x 10 – 10 tubeless, 6-ply rated load range front and rear	•
DIMENSIONS/WEIGHT	
Overall length: Standard flatbed* *Add 1.8 in (4.5 cm) for heavy-duty front bumper	172 in (436.8 cm)
Overall width: Without mirrors With mirrors	50.3 in (127.7 cm) 62.6 in (159.0 cm)
Overall height: At steering wheel With canopy With cab	47.1 in (119.6 cm) 70.7 in (179.5 cm) 74.3 in (188.7 cm)
Wheelbase	132 in (335.2 cm)
Ground clearance	5.2 in (13.2 cm)
Front wheel tread	36.6 in (92.9 cm)
Rear wheel tread	39.5 in (100.3 cm)
Weight: Standard electric vehicle	1509 lb (684 kg)
Forward speed	15 to 17 mph (24 to 27 km/h)

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SPECIFICATIONS		CARRYALL 900 ELECTRIC
POWER SOURCE		
Outside clearance circle (diameter)	454 in (1153.1 cm)	
Turning radius (per SAE J 695)	220 in (558.8 cm)	
Intersecting aisle clearance	128 in (325 cm)	
Floorboard height	12.5 in (31.75 cm)	
Load bed height	29.5 in (74.93 cm)	
Load bed size: Flat bed dimensions	98.5 x 48.8 in (250.1 x 123.9 cm)	
Load bed size: Inside bed dimensions	97.5 x 47.5 x 10.5 in (247.6 x 120.6 x 26.6 cm)	
Vehicle rated capacity: (Level surface only) See Vehicle Load Capacities on page 31.	1500 lb (680 kg)	
Standard seating capacity	2	
LIQUID CAPACITIES		
Transaxle	22 fl-oz (0.67 L)	
TIRE PRESSURE		
Front and rear	28 to 32 psig (193 to 221 kPa)	

QUIQ BATTERY CHARGER SPECIFICATIONS

QUIQ BATTERY CHARGER SPECIFICATIONS	
AC INPUT	
AC Voltage – range	85 to 265 VAC (acceptable)
AC Voltage – nominal	120 to 230 VAC
Frequency	45 to 65 Hz
AC Power Factor – nominal	>0.99 @ 120 VAC / >0.98 @ 230 VAC
POWER CONSUMPTION	
AC current (amps)	Max: 12 Amps Nominal: 9.5 Amps rms @ 120 VAC 5 Amps rms @ 230 VAC
DC OUTPUT	
DC voltage (VDC) – nominal	48 V
DC voltage (VDC) – maximum	68 V
DC current – maximum	18 Amps
Interlock current – maximum	1 Amp
DIMENSIONS/WEIGHT	

TABLE CONTINUED ON NEXT PAGE

QUIQ BATTERY CHARGER SPECIFICATIONS	
Case – Overall length	11 in (28 cm)
Case – Overall width	9.7 in (24.6 cm)
Case – Overall height	4.3 in (11 cm)
Weight – with standard output cord	< 11 lb (< 5 kg)
MOUNTING CONFIGURATION	
Mounting	Onboard

VEHICLE SPECIFICATIONS – GASOLINE VEHICLES

NOTE: Engine horsepower and torque specifications are provided by the engine manufacturer. Actual horsepower and torque in use may differ and are dependent on environmental conditions as well as maintenance condition of the engine.

SPECIFICATIONS	CARRYALL 900
POWER SOURCE	GASOLINE
Engine: 4 cycle, OHC, 404 cc, 14.0 Horsepower (10.4 kW) rated engine @ 3600 RPM (per SAE J 1940), single cylinder, air cooled, with splash lubrication system	•
Fuel system: Electronic fuel injection (EFI), high-pressure rotary fuel pump with 10 micron fuel filter	•
Battery: 12-volt, side-post or top-post battery	•
Governor: Automatic ground speed sensing, internally geared in transaxle	•
Ignition: Digital CDI with electronic RPM limiter	•
Transaxle: Precision helical gears forward/reverse with neutral position (11.47:1 forward; 15.63:1 reverse) with optional limited slip differential	•
Electrical system: 12 volt, 500 cca at 0 °F (-17.8 °C), 650 cca at 32 °F (0 °C). 105-minute reserve capacity	•
Gasoline Vehicle Electrical Charging System: 23 amps at max. RPM.	•
Torque converter: Automatic, variable speed, dry type	•
STEERING/SUSPENSION/BRAKES	
Steering: Self-adjusting rack and pinion	•
Suspension: Independent leaf spring with dual hydraulic shocks	•
Brakes: Mechanical brake cable system to manually adjusted drum brakes on each wheel. Park brake is automatically released. Multi-latch ratchet and pawl	•
BODY/CHASSIS	
Frame/chassis: Twin I-Beam welded aluminum	•
Side and rear body: All aluminum	•
Front body: ArmorFlex®	•
Front body finish: Automotive-grade paint with clear-coat finish	•
Tires: 20 x 10 – 10 tubeless, 6-ply rated load range front and rear	•
DIMENSIONS/WEIGHT	

TABLE CONTINUED ON NEXT PAGE

Specifications

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Overall length: With standard flatbed* *Add 1.8 in (4.5 cm) for heavy-duty front bumper	172 in (436.8 cm)
Overall width: Without mirrors With mirrors	50.3 in (127.7 cm) 62.6 in (159.0 cm)
Overall height: At steering wheel With canopy With cab	47.1 in (119.6 cm) 70.7 in (179.5 cm) 74.3 in (188.7 cm)
Wheelbase	132 in (335.2 cm)
Ground clearance	5.2 in (13.2 cm)
Front wheel tread	36.6 in (92.9 cm)
Rear wheel tread	39.5 in (100.3 cm)
Weight: Standard gasoline vehicle (dry fuel tank)	1031 lb (467 kg)
Forward speed	15 to 17 mph (24 to 27 km/h)
Outside clearance circle (diameter)	454 in (1153.1 cm)
Turning radius (per SAE J 695)	220 in (558.8 cm)
Intersecting aisle clearance	128 in (325 cm)
Floorboard height	12.5 in (31.75 cm)
Load bed height	29.5 in (74.93 cm)
Load bed size: Flat bed dimensions	98.5 x 48.8 in (250.1 x 123.9 cm)
Load bed size: Inside bed dimensions	97.5 x 47.5 x 10.5 in (247.6 x 120.6 x 26.6 cm)
Vehicle rated capacity: (Level surface only) See Vehicle Load Capacities on page 31.	1500 lb (680 kg)
Standard seating capacity: (persons)	2
LIQUID CAPACITIES	
Engine crankcase	40.5 fl-oz (1.2 L)
Transaxle	67.6 fl-oz (2 L)
Fuel tank	4.6 gallons (17.4 L)
TIRE PRESSURE	
Front and rear	28 to 32 psig (193 to 221 kPa)

WARRANTIES

CLUB CAR® LIMITED WARRANTY FOR TRANSPORTATION AND UTILITY VEHICLES WARRANTY

CLUB CAR, LLC (“CLUB CAR”) hereby warrants to the Original Purchaser or Lessee, as those terms are defined herein, and subject to the provisions, limitations and exclusions in this limited warranty, that its new vehicle or new component purchased from CLUB CAR or an Authorized Dealer or Distributor shall be free from defects in material and workmanship under normal use and service for the periods stated below, subject to the provisions, limitations and exclusions in this limited warranty.

This limited warranty covers material, workmanship and repair labor cost as to those items specifically listed below for the periods specified. Such repair labor shall be performed only by CLUB CAR, its Authorized Dealers or Distributors, or a service agency approved by CLUB CAR. For repairs made by qualified technicians other than CLUB CAR’s factory technicians or an Authorized Dealer or Distributor, CLUB CAR will provide only the replacement parts or components.

IF THE WARRANTY REGISTRATION FORM IS NOT COMPLETED AND RETURNED TO CLUB CAR AT THE TIME OF THE ORIGINAL RETAIL SALE, PURCHASER MUST PROVIDE PROOF OF DATE OF PURCHASE WITH ANY WARRANTY CLAIM.

TO THE ORIGINAL OWNER ONLY (NON-TRANSFERABLE)	TERMS COVERED	HOURS/ AMP HOURS COVERED
LIMITED THREE YEAR: Engine assembly, transaxle assembly (gasoline vehicle), starter/generator (gasoline vehicle), motor, transaxle assembly (electric vehicle), and main frame assembly.	3 YEARS	3000
LIMITED TWO YEAR: Solenoid, MCOR, limit switches, voltage regulators, FNR switches, brake components, wiring harness, electrical switches, canopy systems, seats, pedal group assembly, body, cab assembly and doors, and driving range protective enclosure, portable refreshment center and all original equipment options and accessories supplied by CLUB CAR, and all remaining components of the vehicle not specified otherwise.	2 YEARS	2000
6-VOLT BATTERY (STANDARD DUTY)	4 YEARS	18000
6-VOLT BATTERY (HEAVY DUTY)	4 YEARS	20000
8-VOLT BATTERY (STANDARD/HEAVY DUTY)	4 YEARS	16000
ONBOARD COMPUTER (IF SO EQUIPPED)	4 YEARS	16000
CONTROLLER	4 YEARS	16000
BATTERY CHARGER	4 YEARS	

EXCLUSIONS

Excluded from any CLUB CAR warranty is damage to a vehicle or component resulting from a cause other than a defect including poor maintenance, neglect, abuse, accident and collision, maintenance adjustments, unreasonable or unintended strain or use, improper installation of accessories, installation of parts or accessories that are not original equipment including Club Car approved or non-approved GPS systems, non-approved alteration and acts of God. Also excluded from any CLUB CAR warranty are all fuses, filters, decals (except safety decals), lubricants, routine wear items such as the charger plug and receptacle, engine mounts, bed floor lining, mats, pads, spark plugs, light bulbs, brake shoes, belts, brushes, bushings, drive buttons, cosmetic deterioration, and items that deteriorate, fade or fail due to exposure or ordinary wear and tear.

The provisions of this limited warranty shall not apply to failure due to the following conditions:

1. Abuse such as overcharging, undercharging, improper fluid levels, loose wiring and fasteners, or rusted or corroded hardware.

2. Use of water in batteries, including tap water, that contains impurities. Distilled water or a properly maintained, Club Car approved battery water deionizer and filter system should be used to ensure water quality.
3. Lack of proper maintenance such as preventive maintenance checks, proper rotation of vehicles in a fleet application, maintaining proper tire pressure and alignment and tightening loose wire connections as outlined in the owner's manual.
4. Damages caused by improper installation of the component.
5. Neglect, breakage, freezing, fire, explosion, wreckage, melted terminal posts, the addition of any chemical, or the operation of the battery in an uncharged condition (below half charge 1.200 specific gravity); the installation of the batteries in reverse or recharging in reverse, breakage of containers, covers, or terminal post, or batteries used in applications for which they were not designed.
6. A battery damaged by a defective charger or batteries in vehicles that do not receive proper charging.
7. A vehicle not having an operational charger on a circuit that has the parameters specified in the vehicle owner's manual. (Number of operational chargers must equal the number of operational vehicles.)
8. Improper charging of a vehicle due to the use of a battery charger model not approved by Club Car for use with the vehicle.
9. Failed semiconductor parts such diodes and fuses that are vulnerable to electrical overloads (including lightning) beyond the control of CLUB CAR.
10. Damaged charger DC cord set with plug, which is a wear item and subject to user abuse.
11. Use of gasoline containing more than 10% ethanol.

Without limiting the generality of the foregoing in any way, and as part of its limited warranty exclusion, CLUB CAR does not warrant that its vehicle or components such as batteries, computer, controller or electrical device are suitable for use in any application other than in its products. As in the use of any vehicle, batteries, computer, controller or electrical device, a prudent owner will read and study the owner's manual, the operator instructions and the warning labels; and will exercise due care in working on or around vehicles, batteries or electrical devices.

Transportation expenses for warranty services are also excluded from this warranty.

VOIDING OF WARRANTY

THIS AND ANY OTHER WARRANTY SHALL BE VOID IF THE VEHICLE OR COMPONENT IS ABUSED OR USED IN AN UNINTENDED MANNER OR SHOWS INDICATIONS THAT IT HAS BEEN ALTERED IN ANY WAY, INCLUDING, BUT NOT LIMITED TO, MODIFICATION OF THE SPEED GOVERNOR, BRAKING SYSTEM, STEERING, TRANSAXLE, OR OTHER OPERATING SYSTEMS OF THE CAR TO CAUSE IT TO PERFORM OUTSIDE CLUB CAR SPECIFICATIONS. THE WARRANTY IS LIKEWISE VOID IF THE VEHICLE SHOWS INDICATIONS THAT REASONABLE OR NECESSARY MAINTENANCE AS OUTLINED IN THE OWNER'S MANUAL AND MAINTENANCE AND SERVICE MANUAL WAS NOT PERFORMED AT THE TIME AND IN THE MANNER SPECIFIED IN SUCH MANUALS.

SOLE REMEDY

CLUB CAR's liability under this limited warranty or in any action whether based upon warranty, contract, negligence, strict product liability or otherwise, shall be the repair or replacement, at CLUB CAR's option, of the vehicle or component thereof that CLUB CAR deems to be defective. Replacement shall mean furnishing, during the applicable limited warranty period, a new vehicle or factory-reconditioned vehicle or component thereof that is identical or reasonably equivalent to the warranted product or component at no cost to the purchaser. Repair shall mean remedying a defect in the vehicle or component thereof at no cost to the purchaser during the applicable limited warranty period. CLUB CAR reserves the right to test and recharge any component returned for adjustment. If CLUB CAR elects to repair the vehicle or component, it may provide factory-reconditioned parts or components. All parts and components replaced under warranty shall become the property of CLUB CAR.

DISCLAIMER

THIS LIMITED WARRANTY IS EXCLUSIVE. CLUB CAR MAKES NO OTHER WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED. ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A

PARTICULAR PURPOSE ARE HEREBY DISCLAIMED BY CLUB CAR AND EXCLUDED FROM THIS WARRANTY. THE PURCHASER AND CLUB CAR EXPRESSLY AGREE THAT THE SOLE REMEDY OF THE REPLACEMENT OR REPAIR OF THE DEFECTIVE VEHICLE OR COMPONENT THEREOF IS THE SOLE REMEDY OF THE PURCHASER. CLUB CAR MAKES NO OTHER REPRESENTATION OR WARRANTY OF ANY KIND, AND NO REPRESENTATIVE, EMPLOYEE, DISTRIBUTOR OR DEALER OF CLUB CAR HAS THE AUTHORITY TO MAKE OR IMPLY ANY REPRESENTATION, PROMISE OR AGREEMENT, WHICH IN ANY WAY VARIES THE TERMS OF THIS WARRANTY.

In the event that another pre-printed warranty document, certificate or both offered by or through Club Car at the time of sale of this vehicle (each an "Additional Warranty Document") is deemed to conflict with the limitations or exclusions contained herein, the limitations and exclusions contained herein shall continue to apply to both this limited warranty statement and, to the maximum extent permitted by law, to each Additional Warranty Document.

NO CONSEQUENTIAL DAMAGES

IN NO EVENT SHALL CLUB CAR BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT LIMITED TO, LOSS RELATED TO PROPERTY OTHER THAN THE VEHICLE, LOSS OF USE, LOSS OF TIME, INCONVENIENCE, OR ANY OTHER ECONOMIC LOSS.

Some states allow neither limitation on the duration of an implied warranty nor exclusions or limitation of incidental or consequential damages. Therefore, the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

HOW TO MAKE A WARRANTY CLAIM

To make a warranty claim under this limited warranty, you must present the vehicle or defective component with evidence of proof of purchase date and number of amp-hours (if applicable) to an authorized CLUB CAR dealer.

For warranty-related communication, contact Warranty Services, Club Car, 4125 Washington Rd., Evans, GA 30809, USA, 706-863-3000.

WARNING

Any modification or change to the vehicle that affects the electrical system, stability or handling of the vehicle, or increases maximum vehicle speed beyond factory specifications, can result in serious personal injury or death.

FEDERAL EMISSIONS COMPONENT DEFECT WARRANTY

EMISSIONS COMPONENT DEFECT WARRANTY COVERAGE - This emission warranty is applicable in all States, except the State of California.

Club Car, LLC ("CLUB CAR") warrant(s) to the initial retail purchaser and each subsequent owner, that this Non-road engine ("engine") has been designed, built, and equipped to conform at the time of initial sale to all applicable regulations of the U.S. Environmental Protection Agency (EPA), and that the engine is free of defects in materials and workmanship which would cause this engine to fail to conform with EPA regulations during its warranty period.

For the components listed under PARTS COVERED, the service dealer authorized by CLUB CAR will, at no cost to you, make the necessary diagnosis, repair, or replacement necessary to ensure that the engine complies with applicable U.S. EPA regulations.

EMISSION COMPONENT DEFECT WARRANTY PERIOD

The warranty period for this engine begins on the date of sale to the initial purchaser and continues for a period of three years.