





ESCH03 series Charger



Product overview and application scope :

- Charger integrates active power factor correction (PFC), can achieve zero pollution of the power grid and avoid the impact of large current grid.
- Wide input voltage range AC100V~AC264V available for worldwide requirements, convenient for the power grid fluctuation and vehicles exportation.
- High efficiency, above 93%, while the traditional charger can meet only about 80% efficiency.
- Intelligent temperature compensation function in the charging process, preventing damage to the battery caused by charge-off or charge due, greatly extending the lifespan of the battery.
- Shock resistance treatment made inside makes vibration-proof level up to SAEJ1378 that can fully meet the standard of automobile appliance usage. Use the LLC resonance technology, whole charging process working under soft switching condition, with the less heating of the whole machine.

Product features :

- Single Chip Microcomputer (SCM) according to the lead-acid batteries tolerance current capacity, life curve, gas analysis point and other information to complete the full charge of the whole process.
- With the environmental temperature compensation function, to ensure that the temperature of the weather conditions, can automatically resist over-charge and under-charge.
- With pulse charging function, the battery is filled with the premise of ensuring the best life of the battery.
- After three paint processing and dustproof design, the reliability of the operation is improved.
- With digital display function, can display online charging current, voltage, charging time

Model	ESCH2425	ESCH2430
Dimensions	Long * wide * high 352*204*172(mm)	
Maximum output current (A)	25	30
Maximum power point (W)	750	900
Input voltage (VAC)	100V~264V	
Output voltage (VDC)	lead-acid battery: 31V; VRLA: 29.4V; Customizable	
Applicable battery voltage	24V lead acid battery pack, Customizable	
Maximum efficiency	93%	
Output voltage regulation precision	±1%	
Output current accuracy	±1%	
Working temperature	-30℃~45℃	
Classes of seismic measure	SAEJ 1378	
Cooling mode	Air blast cooling	
Over temperature protection	75℃±5	
Input under-voltage protection (VAC)	90V	
Output over-voltage protection (VDC)	31V±1	
Output over-current protection (A)	>110%* Maximum charge current	
Output short circuit protection	When the output is short circuited, charger shutdown, and automatic recovery after short-circuit solved.	
Battery reverse protection	Charger shutdown and alarm when the wire is connected reversely, it will automatically resume after wiring correctly.	

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