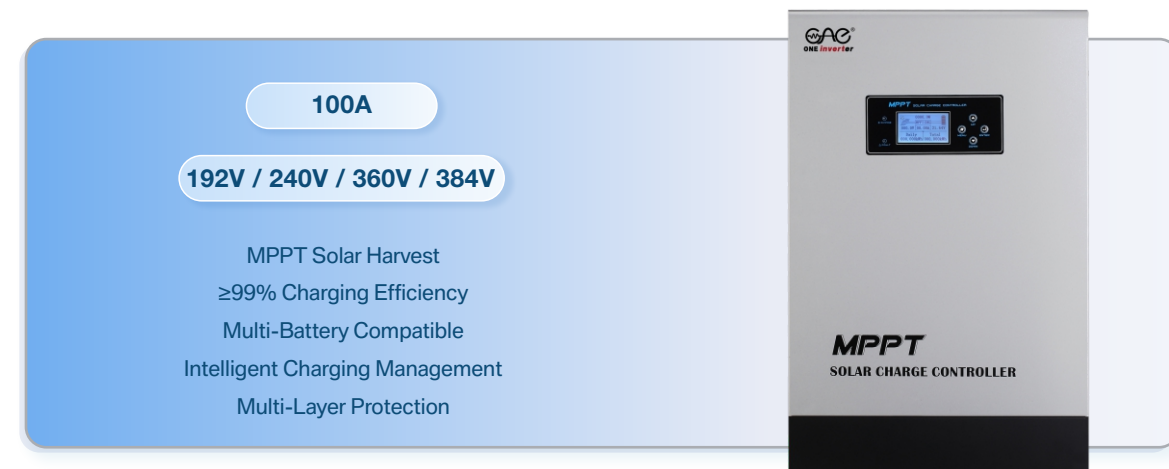


HMC-Series

MPPT Solar Charger Controller



The HMC Series is a type of dc to dc charge controller with electronic protection and adaptive charging functions. It continuously adjusts the electrical load to ensure that solar panels operate at their maximum power point (MPP), thereby improving the efficiency of the sola renergy system. Therefore, we also refer to it as an MPPT solar charge regulator.

FEATURES

-  Rated current 100A.
-  Three-stage charging for battery health.
-  Clear display for real-time system monitoring.
-  MPPT technology for maximum solar power harvest.
-  Ultra-high charging efficiency up to >99%.
-  Compatible with LiFePO4 batteries.
-  WiFi remote monitoring (optional).

PRODUCT CONNECTION DIAGRAM



Model	HMC-100
Rated Current	100A
Maximum Charging Current	102A

Mppt Range Operating Voltage

192VDC	240VDC~600VDC
240VDC	300VDC~600VDC
360VDC	420VDC~850VDC
384VDC	448VDC~850VDC

Maximum PV Array Power

192VDC	17920W
240VDC	22400W
360VDC	42000W
384VDC	44800W

Battery

Supportable Battery Type	Gel/SLA/AGM/Water/Lithium Battery
Charging Mode	Three Stages: Constand Current(mppt),equalizing Charge, Floating Charge
Maximum Efficiency	≥99%

Communication Portal

Communication	RS485
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Packing Details

Dimension, D*W*H(MM)	690*540*360
G.W.(KGS)	45KGS