

Specifications

Device Name	Homaya Pro M3000
Part number	AEH-SP01-M3000
Electrical specifications	
Nominal battery voltage	48 V
Battery voltage operating range	40 V – 62.8 V
Min. PV operating voltage (Vmp)	60 V to 120 V
Max. PV array open circuit voltage (Voc)	130 V
Max PV operating voltage	200 V
Max. array short-circuit current	60 A @ STC
Max PV array rating	3200 W
Max. charge current	60 A
Max. output power	3100 W
Charger regulation method	Three-stage (bulk, absorption, float), Two-Stage (LFP)
Supported battery types	Flooded, GEL, AGM and LiFePo4
Efficiency	
Maximum tracking efficiency	99%
General Specification	
Power consumption (stand by)	≤ 3 W
Enclosure material	Sheet metal chassis, Aluminium heat-sink
IP degree of protection	IP 20
Product weight	2.7 kg
Shipping weight	3.1 kg
Shipping dimensions (H x W x D) in mm	325 x 235 x 165
Mounting position	Vertical and table mounting
Ambient air temperature for operation	-15 °C to 40 °C
Storage temperature range	-25 °C to 60 °C
Operation humidity	5% to 95% RH
Altitude	2000 m
Features	
Display type	Graphical LCD
Communication ports	RS 485 Port / BMS
Cooling	Forced air, variable speed fan
Regulatory approvals	
Safety	IEC 62109-1, IEC 62109-2
EMI / EMC	IEC 61000-6-2, -6.4
Certifications	CE, RoHS, SONCAP
Compatible products part numbers	
Homaya Pro	AEH-SP01-S4000 and AEH-SP01-S6000

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