



Specifications

WP-Suntrack

DUO 12 V / 50 A

08-08-2022

ARTICLE NUMBER

60111430

WP-Suntrack DUO 12 V / 50 A

DIMENSIONS & WEIGHT

Weight (Kg)

1.85

Dimensions (H x W x D)

242 x 172 x 74 mm

CHARGER DC OUTPUT- HOUSE BATTERY (CH1)

Selectable Battery Type

GEL, AGM, Flooded, Lithium, Program

Bulk /Float Voltage Range GEL:

14.4 / 13.7 Vdc

Bulk /Float Voltage Range AGM:

14.6 / 13.6 Vdc

Bulk /Float Voltage Range Flooded:

14.4 / 13.3 Vdc

Bulk /Float Voltage Range Lithium:

13.9 - 14.6 Vdc

Bulk /Float Voltage Range Program:

13.8 - 14.8 Vdc

Restart Voltage (GEL, AGM, Flooded, Program)

12.5 Vdc

Restart Voltage (Lithium)

13.3 Vdc

Charger Current (User Selectable)

5 - 50 A (5 A steps)

Equalized Voltage (Flooded Battery only)

15.5 Vdc

Equalized Charging Current

10% of Bulk Current Setting

Charging Control

GEL, AGM Flooded, Program Mode: Two or Three Stages Lithium: Three Stages only

DC Output Bank

Single

Current draw from CH1 with unit ON

< 70 mA

Current draw from CH1 with unit OFF

< 200 uA

Battery Temperature Setting

Low / Normal / High (automatically overridden with optional BTS)

Efficiency

95%

Minimum Operating Voltage

8.0 Vdc

DC INPUT - SOLAR ARRAY/PANELS (CH2-SOLAR)

Maximum Solar Input Current	30 A
Maximum Solar Input Power: 12V Panel	500 W (600 W max)
Maximum Solar Input Power: 24V Panel	750 W (800 W max)

DC INPUT – ALTERNATOR/ START BATTERY (CH3- ALTERNATOR/START)

Input voltage	10.5 – 16.0 Vdc / 21 – 32 Vdc
Maximum Input Current (as per max. setting)	50 A

OUTPUT RATING

Output Current (Maximum)	50 A
Output Voltage	12 V Nominal
Output Power	775 W

REGULATORY COMPLIANCE

Standards/EMC (North America)	Class B according to FCC part15B and ANSI C63.4 CE marked for the EMC directive 2004-108-EC
Standards/EMC (European Union)	Complying with EN55014-1, EN55014-2, EN61000-3-2 and EN61000-3-3 (as equivalent IEC standards series)