



# Specifications

## Suntrack DUO

### 12 V / 50 A

16-04-2024

#### ARTICLE NUMBER

60111430

Suntrack DUO 12 V / 50 A

#### DIMENSIONS & WEIGHT

Weight (Kg)

1.85

Dimensions (H x W x D)

242 x 172 x 74 mm

#### OUTPUT RATING

Output Current (Maximum)

50 A

Output Voltage

12 V Nominal

Output Power

775 W

#### 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: 12VPanel

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

**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  
Complying with EN55014-1, EN55014-2, EN61000-3-2 and EN61000-3-3 (as equivalent IEC standards series)

Standards/EMC (European Union)