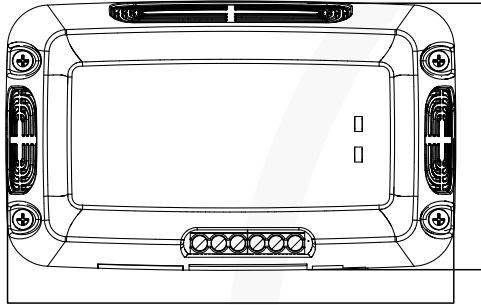


SUNCONTROL 2

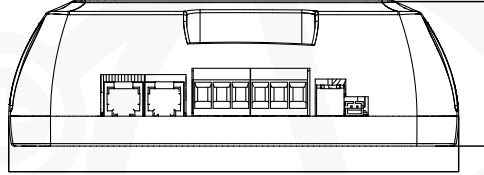
Code: SC320M, SC350M



123

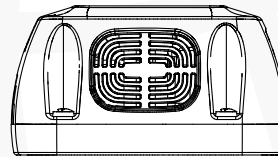
UPPER

108



50 **FRONT**

123



SIDE

Code	SC 320M	SC 350M
INPUTS		
MAXIMUM INPUT VOLTAGE SOLAR PANELS (OPEN CIRCUIT VOLTAGE)	27V	27V
SOLAR PANEL INPUT CONNECTIONS	2	2
SOLAR PANEL INPUT MAXIMUM POWER SUPPORTED	50W - 160W	50W - 180W
OUTPUT B1		
BATTERY NOMINAL VOLTAGE	12V	12V
CHARGING CURRENT MAXIMUM OUTPUT	20A	25A
MINIMUM BATTERY CAPACITY REQUIRED LEAD-ACID	60Ah	80Ah
MINIMUM BATTERY CAPACITY REQUIRED LiFePO₄	40Ah	50Ah
MINIMUM BATTERY VOLTAGE REQUIRED	8V	8V
CHARGING CURVE SELECTOR/CURVES NUMBER	Yes/8	Yes/8
TEMPERATURE REGULATED FAN SPEED	No	Yes
TEMPERATURE REGULATED CHARGING (BY TEMPERATURE SENSOR FOR B1 BATTERY - OPTIONAL)	Yes/-30mV/°C	Yes/-30mV/°C
OUTPUT B2		
BATTERY NOMINAL VOLTAGE	12V	12V
CHARGING CURRENT MAXIMUM OUTPUT	5A	5A
MINIMUM BATTERY CAPACITY REQUIRED LEAD-ACID/LiFePO₄	15Ah/10Ah	15Ah/10Ah
MINIMUM/MAXIMUM VOLTAGE STARTING CHARGE	8V / 12,5V	8V / 12,5V
MAXIMUM CHARGING VOLTAGE	14,4V	14,4V
TEMPERATURE REGULATED FAN SPEED	No	Yes
MAXIMUM CHARGING TIMEOUT	8h	8h

Code	SC 320M	SC 350M
GENERAL		
CHARGING ALGORITHM OPTICHARGE	Yes	Yes
STAND-BY SELF-CONSUMPTION	<2mA	<2mA
DISPLAY CONNECTION	Yes	Yes
INTERNAL PROTECTION FUSE	25A	30A
REVERSE POLARITY PROTECTION	Yes	Yes
NIGHT-TIME DISCHARGE PROTECTION	Yes	Yes
OVERLOAD PROTECTION	Yes	Yes
OVERHEATING PROTECTION (OUTPUT POWER REDUCTION)	Yes	Yes
WORKING TEMPERATURE	-20°C/+50°C	-20°C/+50°C
AMBIENT HUMIDITY	<90% no condensation	<90% no condensation
MAXIMUM ALTITUDE	3000m (maximum nominal output up to 2000m)	3000m (maximum nominal output up to 2000m)
SIZE (mm)	123 x 108 x 50	123 x 108 x 50
WEIGHT (CABLES EXCLUDED)	400g	420g

This data sheet is for reference only. NDS Energy reserves the right to make changes to the illustrated items at any time, without prior notice, for technical or commercial reasons.
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