



Solar Charge Controllers Tarom Series

Model
Tarom 440
40 Amps

Design Features

- Hybrid controller
- State of charge determination with Steca AtonIC (SOC)
- Automatic detection of voltage
- PWM control
- Multistage charging technology
- Load disconnection depending on SOC
- Automatic load reconnection
- Temperature compensation
- Common positive grounding or negative grounding on one terminal
- Multiple controllers may be connected in parallel for larger PV arrays

Applications

- Solar home systems
- Telecommunications
- Recreation vehicles
- High power applications to electrify rural villages

2 YEAR WARRANTY

MODEL NO.	Tarom 440
SYSTEM VOLTAGE	48 V
MAX MODULE INPUT SHORT CIRCUIT CURRENT	40 A
MAX LOAD OUTPUT CURRENT	40 A
MAX SELF CONSUMPTION	14 mA
END OF CHARGE VOLTAGE (FLOAT)	54.8 V
BOOST CHARGE VOLTAGE, 1 H	57.6 V
EQUALISATION CHARGE (DEACTIVATED FOR GEL ACCU), 2 H	58.8 V
RECONNECTION SETPOINT (SOC/LVR)	> 50 % SOC / 12.6 V (25.2 V / 50.4 V)
DEEP DISCHARGE PROTECTION (SOC/LVD)	< 30 % SOC / 11.1 V (22.2 V / 44.4 V)
AMBIENT TEMPERATURE ALLOWED	-10 °C ... +60 °C
TERMINAL SIZE (FINE / SINGLE WIRE)	16 mm ² /25 mm ²
ENCLOSURE PROTECTION CLASS	IP 22
DIMENSIONS, MM (L x W x H)	188 x 128 x 49
DIMENSIONS, INCHES (L x W x H)	7.4 x 5.01 x 1.93
WEIGHT, KG	0.55
WEIGHT, LB	1.21

NOTE: Specifications are subject to change without notice