



Tarom Solar Charge Controllers



35 / 40 / 45 Amps

FEATURES

- PWM shunt battery charging*
- State of charge (SOC) battery regulation*
- Energy management for hybrid systems*
- Built in Ah counter*
- Boost charging*
- Equalising charge*
- Float charging*
- Automatic load reconnection*
- Automatic selection of voltage for 12V / 24V*
- Temperature compensation*
- Positive grounding (or) negative grounding on one terminal*
- Field adjustable parameters by four buttons*
- Lighting control options during nighttime*
- RJ45 interface*
- Manual load disconnect*

APPLICATIONS

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

TECHNICAL SPECIFICATIONS

Model	Tarom 235	Tarom 245	Tarom 440
System Voltage	12 V (24 V)	12 V (24 V)	48 V
Max Module Input Short Circuit Current	35 A	45 A	40 A
Max Load Output Current	35 A	45 A	40 A
Max Self Consumption	14 mA	14 mA	14 mA
End of Charge Voltage (Float)	13.7 V / (27.4 V)		54.8 V
Boost Charge Voltage, 1 h	14.4 V (28.8 V)		57.6 V
Equalisation Charge (Deactivated for Gel Accu), 2 h	14.7 V (29.4 V)		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	IP 22	IP 22
Dimensions (L x W x H)	188 x 128 x 49 mm		
Weight	0.55 kg	0.55 kg	0.55 kg

Technical Specifications subject to change without notification.