

## 7 Technical Specifications

### • Electrical Parameters

Description	Parameter
Nominal System Voltage	12VDC / 24VDC Auto work
Rated Battery Current	20A
Maximum Battery Voltage	32V
Max. Solar Input Voltage	Tracer-2210RN 100VDC Tracer-2215RN 150VDC
Max. PV input power	12V / 260W 24V / 520W
Self-consumption*	<10mA(24V)
Charge Circuit Voltage Drop	≤0.26V
Discharge Circuit Voltage Drop	≤0.15V
Communication	TTL232 / 8pin RJ45

\* Charging & discharging circuit closed, LED digital tube OFF, remote meter MT-5 disconnected.

### • Battery Parameters (Tem: 25°C)

Control Parameter			
Battery charging setting	Gel	Sealed	Flooded
High Volt Disconnect	16V; x2/24V	16V; x2/24V	16V; x2/24V
Charging limit voltage	15.5V; x2/24V	15.5V; x2/24V	15.5V; x2/24V
Over Voltage Reconnect	15V; x2/24V	15V; x2/24V	15V; x2/24V
Equalization voltage	—	14.6V; x2/24V	14.8V; x2/24V
Boost voltage	14.2V; x2/24V	14.4V; x2/24V	14.6V; x2/24V
Float voltage	13.8V; x2/24V	13.8V; x2/24V	13.8V; x2/24V
Boost return voltage	13.2V; x2/24V	13.2V; x2/24V	13.2V; x2/24V
Low voltage reconnect	12.6V; x2/24V	12.6V; x2/24V	12.6V; x2/24V
Under voltage recover	12.2V; x2/24V	12.2V; x2/24V	12.2V; x2/24V
Under voltage warning	12V; x2/24V	12V; x2/24V	12V; x2/24V
Low voltage disconnect	11.1V; x2/24V	11.1V; x2/24V	11.1V; x2/24V
Discharging limits voltage	10.8V; x2/24V	10.8V; x2/24V	10.8V; x2/24V
Equalize duration	—	2hours	2hours
Boost duration	2hours	2hours	2hours